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# FIRST ANNUAL REPORT ON WEARING OF PAINTS APPLIED TO ATLANTIC CITY TEST FENCE

BUREAU OF PROMOTION AND DEVELOPMENT
SCIENTIFIC SECTION
R. S. PERRY, Director
PAINT MANUFACTURERS' ASSOCIATION
3500 Grays Ferry Road
Philadelphia, Pa.

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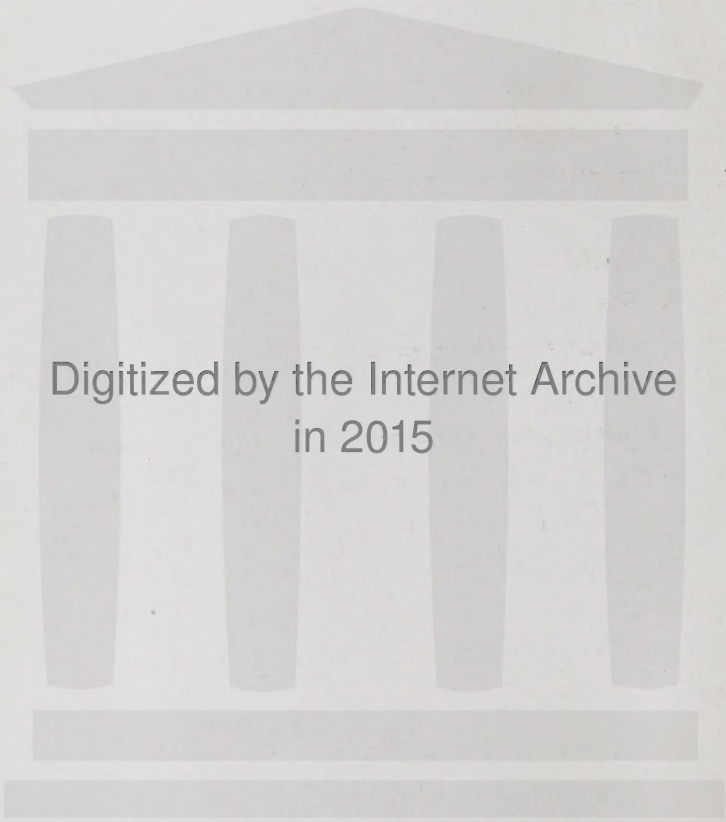
# FIRST ANNUAL REPORT ON WEARING OF PAINTS APPLIED TO ATLANTIC : : CITY TEST FENCE : :

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APRIL, 1909

SCIENTIFIC SECTION
R. S. PERRY, Director
BUREAU OF PROMOTION AND DEVELOPMENT
PAINT MANUFACTURERS' ASSOCIATION
OF THE UNITED STATES
3500 Grays Ferry Road
Philadelphia, Pa.

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# *PREFACE*

*THIS report has been made with a view of giving the manufacturer, at the earliest possible moment, the results which have, for so long, been needed, and which may indicate how, in the future, paint formulas may be designed in order to produce products that will give the best possible results.*

*Thoroughly reliable data has been obtained by the inspections, which completely justify the manufacturers of high grade paints in their position of maintaining the superiority of such products over the old-time hand-mixed preparations.*

*R. S. PERRY*

*Director Scientific Section*
*Bureau of Promotion and Development*
*Paint Manufacturers' Association*
*of the United States*

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# CONDENSED INFORMATION REGARDING ATLANTIC CITY TEST FENCE

Fence erected: December, 1907.

Number of panels: 560.

Kinds of wood: White Pine, Yellow Pine and Cypress.

Wood inspected by: Charles P. Maule, Lumber Expert Secretary Philadelphia Lumber Exchange.

Percentage of wood rejected: 40 per cent.; faulty in construction, knotty, etc. Balance accepted were all on the same fair basis and equal in quality.

Panels painted: January 16th to March 11th, 1908.

Panels exposed: March 20th, 1908.

Formulas applied: 47.

Panels to each formula: 18.

Exposed on each side of fence: 280.

Formulas condemned at First Annual Inspection: 8.

Formulas remaining under further test: 39.

Director of tests: R. S. Perry.

Fence Superintendent: H. A. Gardner, Assistant Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of the United States.

Official painter: George Butler.

Painting Inspector for Paint Manufacturers' Assn.; Joseph Campbell.

Painting Inspector for Committee "E": James T. Parthree, Foreman-Painter, Wilmington Shops, Penna. R. R.

Formulas applied in White, Yellow and Gray.

Special colors applied: Chrome Green, Bronze Green Ultramarine Blue, Prussian Blue, Para Red.

Date of First Annual Inspection: March 26-27, 1909.

# CHAPTER I

## Committees Represented at Inspection

On March 26th, over a year from the date of the placing of the panels on the Atlantic City fence, a joint inspection was made by representatives of the Scientific Section and the Master Painters' Association of Pennsylvania. Two days were required to go over the fence and make a complete report of the wearing of the various panels, and on the second day the inspection party was augmented by members of Sub-Committee "E", of the American Society for Testing Materials. Several experts on paint technology were along on the inspection trip and the day was spent in gathering and recording data on the wearing of the various formula.

Those active, together with those present, at the inspection, were:

R. S. PERRY, Director Scientific Section Bureau of Promotion and Development, Paint Manufacturers' Association of the United States.

GEORGE BUTLER, Official Painter of the Master House Painters and Decorators of Philadelphia.

H. A. GARDNER, Asst. Director, Scientific Section.

F. A. LANE, paint manufacturer, Gibbsboro, N. J.

S. S. VOORHEES, Chairman Committee "E", American Society for Testing Materials.

W. A. AIKEN (Spackman Engineering Co.), member Committee "E".

ROBERT JOB (Booth, Garrett & Blair), member Committee "E"; Chairman Fence Committee of Committee "E".

DR. G. W. THOMPSON (Chemist National Lead Co.), member Committee "E".

DR. CHAS. B. DUDLEY, President American Society for Testing Materials; member of Committee "E".

DR. A. H. SABIN, member Committee "E".

# CHAPTER II

## Reports of Committees

### REPORT OF SUB-COMMITTE "E," FOR INSPECTION OF WOODEN TEST FENCES, DR. JOB, CHAIRMAN

SUBMITTED TO AMERICAN SOCIETY FOR TESTING MATERIALS, ANNUAL CONVENTION, ATLANTIC CITY, JULY 1, 1909, BY S. S. VOORHEES, CHAIRMAN COMMITTEE "E"

Philadelphia, Pa., March 31, 1909.

An inspection was made March 27th at Atlantic City by the Sub-Committee on Inspection of the wooden panel test fence. The following members of the Sub-Committee were present, viz.: Messrs. Aiken, Job, Sabin, Voorhees; Dr. Dudley and other members of Committee "E" were also present.

It was found that the lithopone panels had completely failed, and authority was given the Paint Manufacturers' Association to remove panels, formulae 21 to 28 inclusive, and substitute other formulae, which the Association may wish to test. The composition of the lithopone formulae ranged from 100 per cent. lithopone to 60 per cent. lithopone, with various other pigments. In most cases the coating had so completely perished that the bare board was visible in spots, and on the rest of the surface the life of the coating had completely gone. The time of exposure is about one year, and the corresponding panels on both sides of the fence had failed equally.

The Sub-Committee found that all of the pure white lead panels chalked considerably and in this respect were in less efficient condition than many of the composition paints. The relative efficiency of the latter will be reported from time to time.

It was found in general that the tints were in consid-

erably better condition than the corresponding whites, and that the results upon cypress and upon yellow pine were often unsatisfactory owing to the character of the wood, and in order to facilitate close comparison at future inspections, the Paint Manufacturers' Association was authorized to remove the tints upon cypress and upon yellow pine and to group the whites together in such location that close examination can be made.

At the annual meeting of the Society it is hoped that inspection will be made by Committee "E".

Respectfully submitted,

(Signed) ROBERT JOB,
Chairman Sub-Committee.

---

*BOOTH, GARRETT & BLAIR*

*Analytical and Engineering Chemists*

*404 and 406 LOCUST STREET*

Philadelphia, Pa., March 16, 1909.

MR. H. A. GARDNER, Asst. Director,
Scientific Section,
Paint Manufacturers' Assn. of U. S.,
3500 Gray's Ferry Road, Phila.

DEAR SIR:—

In accordance with your recent request the writer made an inspection March 11th of the wooden panel test fence at Atlantic City, in company with Messrs. John Dewar, George Butler and yourself.

The paint films upon panels painted with lithopone, and lithopone compositions, formulae 21 to 28 inclusive, had entirely failed, and if you desire these panels may be removed from the fence and stored in some adjacent building where they may be seen at the next inspection of the Sub-

Committee, and the vacant places upon the fence may be filled with panels of other paints which you may wish to test.

Yours very truly,

(Signed) ROBERT JOB,

Chairman Sub-Committee American Society for Testing Materials.

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## *MASTER PAINTERS' ASSOCIATION OF PENNSYLVANIA*

Philadelphia, Pa., March 13, 1909.

MR. R. S. PERRY, Director,
Scientific Section,
Paint Manufacturers' Assn. of U. S.,
3500 Gray's Ferry Road, Phila.

DEAR SIR:—

At the preliminary inspection of the joint fence committee, representing Committee "E", of the American Society for Testing Materials, the Master Painters' Association of Pennsylvania, and the Scientific Section, it was decided to condemn the following panels upon the Atlantic City test fence and have them removed and replaced with new formulas. These panels were in extremely bad condition, both disintegrated and showing results which indicate that they are not serviceable for use as high-grade paints for outside use. These panels will be stored away for future reference and examination.

The formulas to be removed are as follows: Nos. 21 to 27, which include panels Nos. 151 to 164 in white, 129 to 144 in yellow, and 107 to 122 in gray.

(Signed) GEO. BUTLER,

Official Painter of the Master House Painters and Decorators of Philadelphia.

# CHAPTER III

## General Description of Inspection

Compilation of Results

The results of the official inspection of March 27th, 1909, have been compiled into table form, which appears in this book, next to the plate showing the diagram of the fence and the formulae thereon. A series of photographs were made of each section of the fence at the inspection, and the photographs show in detail the condition of the paints as well as the chalking test which is described under "Methods of Inspection." Opposite each photographic reproduction of the panels is printed the formula of the paints applied thereto and the detailed report thereon of the joint inspection committees, of the Scientific Section and of the Master Painters' Association.

Diagram of Fence

Photographs of Fence

Report of 1909 Inspection

Analysis of Paints

In order to check up the composition of the paints applied to the fence, the samples which were taken by the inspectors during the application of the formulas were sent to Robert Job, a member of Committee "E," and chairman of the Sub-Committee "E," appointed to supervise the fence, and analyzed by him. The results obtained conform to the formulas designated, and are published herewith.

In order to keep the wearing of the various formulas constantly under observation, inspections have been made monthly. These preliminary inspections have afforded considerable interesting information, and a compar-

ison of the data obtained from these early inspections confirms to a great degree the results reported at the First Annual Inspection, as recorded herein.

Previous Inspections Confirm Results of Annual Inspection

These previous inspections were made by members of the Scientific Section and members of the Philadelphia Branch of the Master Painters' Association. The reports have been placed on file, but are too voluminous to include in this report.

In the report on general appearance, there is given the consensus of opinion and judgment of the inspectors on the general appearance of the paint surface with regard to such properties as hiding power, condition of surface, chalking, etc., but which are described in detail as well.

Under "Remarks" have been included any general observations of an important nature, which might be of value in going over this work.

New Chalk Test

A new method of determining the comparative chalking of paint in fair condition has been worked out and developed by the Director of the Scientific Section. In formulating this test, it was desired to secure a method that would afford results that could be photographed and tabulated in percentages or otherwise.

Materials Necessary for Chalk Test

The process is briefly as follows: Small strips of black felt are cut three inches wide and five inches long. One of these strips is placed lengthwise across a solid block of wood, which fits into the palm of the hand. This outfit resembles very much in appearance the ordinary blackboard eraser and is used in very much the same manner. The width of the

eraser is approximately that of one board of the panel used on the test fence.

Method of Making New Chalk Tests

In making any test, the "eraser" is held firmly against the panel and drawn (not pushed) half way across in a straight line, as, by drawing toward the operator, approximately the same amount of pressure is used each time and the same area is covered.

The white mark on the black cloth represents the quantity of perished paint surface, and is directly proportional in intensity to the chalking which has taken place on the given area.

If a series of these cloths have been prepared from different formulas and panels, they may be photographed and the photograph will very clearly illustrate the comparative chalking.

Restriction of New Chalk Test

This chalking test applies only where the perishing of the paint has proceeded to a certain extent, but under conditions where rains and weather have removed from the fence the chalk that has formed, such a test would not be applicable. A further description of these conditions will be found in Bulletin No. 17 to be published shortly.

Gloss Test

In making the test of gloss, the middle board of each panel was washed with a wet sponge, and, after a sufficient length of time for drying had elapsed, the condition of the surface was noted and recorded as "high," "medium," "low," "egg shell," or "flat."

Opacity Test

In judging the hiding power or opacity of a given paint, its general appearance was compared with the general appearance of other panels, then the stencilled cross of lamp black on the first coat was observed, and the com-

parative visibility of this black cross through the second and third coats.

# CHAPTER IV

## Report of Results of Inspection

Observations for Checking with Aid of Magnifying Glass

By a careful examination of a paint surface, for checking, with a high power glass, it is possible to predict how the formula will appear six months or a year hence.

A high power hand glass was placed near the surface of each panel and after the proper focus had been obtained, the inspector could easily determine whether any destruction of the paint coat had taken place or was imminent. Fine matt checking seems to be evidently the first signs of decomposition. This fine matt checking is preliminary to visible checking and is often followed by a series of heavy checkings much resembling alligatoring. In some cases this checking was very bad and the wood surface was exposed through numberless fissures, which had developed from the fine hair lines that give warning of the approach of such a condition.

Elimination of Fine Matt Checking from Present Reports

The report of observations on fine matt checking is purposely omitted from this report in order to avoid fine distinctions which might introduce questions of doubt as to accuracy or as to conclusions stated, and therefore only the more marked differences in checking are stated in the detailed report on each panel.

In all cases where a question may be raised as between fine hair matt checking or the absence of checking on a panel, the report on checking is omitted.

Plans have been made and will be carried out by the Scientific Section, for accurately estimating the exact degree of checking, during this coming season, and a special report thereon will follow.

Future Test to Determine Exact Degree of Checking

The comparative degree of whiteness was observed, and a distinction could be clearly made between those panels which had gone off in color and those which had maintained their original appearance. It was possible to observe a difference in the tint of the various whites, some showing a blue, some a gray and others an ivory tint.

Color Test

By a unanimous vote of the chairmen of the three committees, it was decided to remove from the fence all the present unsatisfactory lithopone formulas, so as to make room for a series of new panels.

Removal of Lithophone Formulas and Cypress and Yellow Pine Panels

It was also decided to remove the yellow and gray panels in cypress and yellow pine, leaving white paints on the three grades of wood and the yellow and gray paints only on white pine.

Because of the uniformity in the inspection of white pine and because of its greater suitability for a test of paint, this wood has been adopted exclusively for the future, and all panels will be made of this wood for the tests about to be started.

Actinic Light Test Destroyed

The actinic light test, which consisted of a series of small panels of orange and white glass attached to various panels on the fence, was not taken account of in this inspection. During the gunning season at Atlantic City these small glass panels were used as targets and destroyed in nearly every case, so that results could not be obtained.

In the photographs the complete series

Photographic Comparison of Chalk Tests

of tests is shown. Attention may be called to the black cloths, Nos. 177 and 181, both of these being used on white lead boards which were chalking very badly. A comparison of these boards with boards representing high-grade combination paints will show the relatively small amount of chalking taking place on the latter.

Gauging Hardness of Paint

Another condition noted in this inspection was the hardness of the panels. As a standard for hardness, zinc was selected as being the maximum, and called No. 10, while, on the other hand, white lead was selected as being the minimum in hardness, and called No. 1. The degrees of hardness intermediate between No. 1 and No. 10, such as are exhibitted by mixtures of lead and zinc in various proportions, without and together with inert pigments, are shown by the other figures from 1 to 10. Thus an approximate determination is given in the comparison.

Those panels, which showed medium hardness, of about 5, or about half way between lead and zinc, showed the best appearance for whiteness.

The failure of the formulas containing large percentages of lithopone on the outdoor exposure of the test fence confirms the statement that paint compositions with such heavy percentages of lithopone must be designed with relation to the particular use of the product and to the climate in which they are to be used.

Use of Lithopone in Northern Europe

At the time the formulas for the fence were being prepared, there were brought to the attention of the Scientific Section statements from various European technical journals, to the effect that lithopone had been found to be most excellently suited as a painting ma-

terial in northern climates, such as Germany, Russia and Scandinavian countries. The use of this pigment, even up to as high as 100 per cent., in a paint formula in those countries was claimed to give good results and seems to be highly thought of to-day. For this reason, it was deemed advisable to carry out tests in this country, which would duplicate the lithopone paints of Europe and either substantiate the foreign statements or prove that our climate is materially different and that this pigment is not adapted for use here.

Possible Effect of Climate

The inspection was facilitated by basing conclusions largely on the white panels.

Inspection Made Largely from Whites

The gray and yellow panels of the same formulas show slower wear, checking and chalking.

The gray panels of the fence showed, upon examination, that formulas 5 and 16 and 6 and 9 were showing up to the best advantage, having more nearly retained their original color and strength.

Longer Life of the Colored Panels

Formulas 6 and 9 still exhibit their original brownish tone, while formulas 5 and 16 retained their bluish tone in the gray.

Formulas 6 and 9, in which the gray color had been built up with the use of ochre, umber and bone black, were on formula bases free from white lead.

Various Coloring Materials in Gray Paints

Paints 5 and 16, which are formulas containing a moderate percentage of white lead, have their gray color built up of lamp black, Venetian red and French ochre.

The yellow panels showed, upon examination, that the same formulas as in the case of the gray, namely, 5 and 16 and 6 and 9, more nearly retained their original color and strength.

Value of White Pine Over Other Woods Used in Test

White pine afforded the best results; the yellow pine in some cases, apparently from defects in the lumber, caused scaling of a paint formula, which, on the white pine surface, was holding up in good condition.

Cypress showed the same inferiority to white pine as did the yellow pine, only more pronounced, the moisture and oil contained within the cypress having worked through and discolored the paints to some extent. The greasy surface of this wood indicates the difficulty of obtaining proper and necessary penetration.

The white pine gives the best indication of the comparative wearing of the different paints and affords no unfair conditions such as other woods might offer, to interfere with the test.

That future tests should be made by the Scientific Section on white pine was the conclusion of the committee of Master Painters and of the members of the committee of the American Society for Testing Materials.

The general conclusions which can be drawn from these tests are that a mixture of more than one prime white pigment, when used alone or in combination with a small percentage of inert pigments, makes a paint far superior to that manufactured from one pigment alone. The general failure of straight white lead was so marked as to be a conclusive demonstration of the unfitness of such a compound along the coast, when used alone. A large percentage of white lead in a paint, however, even when somewhat in preponderance, so far shows excellent results when the pigments combined therewith were selected with

Superiority of High-Grade Combination Paints over Straight White Lead

regard to a proper balance of qualities and a proper compensation for defects.

Action of Gypsum

Gypsum apparently must be used with discretion in the paint coating, because of its solubility and liability to leach through the coating of linoxyn.

Calcium Carbonate

Calcium carbonate has apparently demonstrated its efficiency in moderate percentages in the manufacture of paints, but an excess of this pigment must be avoided.

Barytes and Blanc Fixe

Blanc Fixe and barytes seem to be useful when the percentage used is well subordinated to the percentages of prime white pigments. The use of mixtures of these two reinforcing pigments, which are physically different, but which are chemically the same, permit advantage to be taken of the different size of particle which is exhibited by either compound.

Magnesium Silicate (Asbestine) and Silica, judging from the results shown by the formulas containing these pigments, would appear to have useful properties when used in moderate percentages.

Failure of Formulas Containing Large Percentages of Lithopone

The complete failure of the formulas containing large percentages of lithopone substantiates the position of the industry in the past, of avoiding its use in considerable percentage for outside work.

The formulas containing this pigment, which stood up the best, were those admixed with a percentage of zinc oxide and calcium carbonate. It is believed that a large percentage of the latter pigments, together with a more conservative percentage of lithopone will give a combination of value for outdoor use.

Value of Zinc in Lithopone Formulas

The softness of this pigment seems to require for outdoor use the addition of such hardening agents as zinc oxide, and in the tests

outlined for the future such combinations will be tried out.

## SHELLACING

One result very apparent was the peculiar breaking out of pitch which appears over the knots of those panels shellaced over the priming coat of paint, and included in formulas 1 to 8 inclusive. This exudation of the gum through the paint coating, and the piling up into little concretions arranged in periphery (or in circles around a common center), were not uncommon on boards representing these formulas, and the conclusion necessarily reached is that the best method of shellacing is that used on the balance of the formulas, namely, the shellacing of the knots previous to the application of the first coat of paint to the wood.

The action of the peculiar oil and pitch contained within cypress is analogous to the action of a large percentage of moisture in white pine. In either case, when oil paints of any description are applied to these woods, under such conditions, peeling is the ultimate result.

## REPORT ON SPECIAL COLORS

Best Base for Para Red

It was found that of the four bases upon which Para Red was tried out, namely, corroded white lead, sublimed white lead, zinc oxide and lithopone, those which showed up the best were lithopone and white lead, the red on the latter being much brighter than on any of the others. Panels W 184, C 179, and C 184, showed the greater brilliancy, all the other reds being striated and somewhat darkened.

In the blues, those which gave the greater permanence and the least degree of fading,

were applied to panels with sublimed white lead (basic sulphate-white lead) and zinc oxide.

Fading of Blues Used with Basic Carbonate-White Lead

The white leads which were tinted with blues showed marked failure, and in some cases the original blue panels could not be distinguished from the panels of untinted white lead because of the complete fading that had taken place. On the other hand, the sublimed white lead (or basic sulphate-white lead) and zinc oxides—which were tinted with blues—stood up remarkably well.

Mildew Appearance

It was found that the chrome green tested out is in excellent condition. It has not faded and is practically free from mildew appearance. The bronze green, however, had lightened somewhat and had whitened in some places. Mildew appearance was shown in localized spots. This appearance is possibly due to segregation of carbon.

In these investigations the possible influence of the dryer on the various pigments and of the consequent durability of the paint coating has been ignored. The Sub-Committee of Committee "E" has requested that at some future time tests be undertaken by the Association to determine this factor, and it is hoped that in the near future such tests will be inaugurated under proper auspices.

The following table indicates the charted results of the inspection.

GEORGE BUTLER, Official Painter Master House Painters and Decorators of Philadelphia.

See Chapter VI

## CONDENSED REPORT OF INSPECTION OF ATLANTIC CITY FENCE, MARCH 26 AND 27, 1909

| Formula No. | Panel No. | Condition | Hiding Power | Color (whiteness) | Hardness | Checking | Chalking | Gloss | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Good | Good | Excellent | 8 | | Very slight | High—even | Like rubbed varnish work |
| 2 | 3 | Good | Good | Good, bluish tone | 5 | Hard matt | Moderate | Medium high | |
| 3 | 5 | Good | Fair | Good, ivory tone | 4 | | Medium | Slight | |
| 4 | 7 | Good | Good | Good | 5 | | Very slight | Medium high—uniform | |
| 5 | 9 | Good | Weak | Good | 8½ | | Slight | High | Hard surface. |
| 6 | 11 | Fairly good | Weak | Good | 8 | Matt checking | | Good | Surface rough |
| 7 | 13 | Good | Good | Off color slightly, ivory tone | 7 | | Slight | High | |
| 8 | 15 | Good | Good | Good | 8½ | | Slight | High | |
| 9 | 17 | Fair | Poor | Good | 9 | Heavy matt | Medium | High | Peeling started |
| 10 | 19 | Good | Fair | Good | 5 | | Some | Medium high | |
| 11 | 21 | Good | Good | Excellent | 7½ | Medium matt | Some | Medium high | Some washing and discoloration of the coating |
| 12 | 23 | Good | Medium | Good | 4 | Heavy matt | Bad | Medium | |
| 13 | 25 | Good | Good | Good | 4 | | Medium | Fair | |
| 14 | 27 | Bad | Medium | Good | 5 | Evident | Some | Medium | Dead, spongy surface. White incrustation |
| 15 | 29 | Good | Medium | Good | 8½ | Coarse matt | Slight | High | |
| 16 | 31 | Fair | Fair | Good | 7½ | Bad | Slight | Good | White incrustation |
| 17 | 33 | Good | Fair | Good | 4 | | Some | Fair | |
| 18 | 145 | Good | Good | Excellent | 3 | Hard matt | Moderate | Medium | |
| 19 | 147 | Good | Good | Excellent | 2 | Hard matt | Slight | Very little | |
| 20 | 149 | Good | Good | Good | 5 | | Very little | Medium | |
| 33 | 176 | | Fair | | | | | Good | Rough surface |
| 40 | 168 | Good | Good | Good | 2 | | Considerable | Egg shell | |
| 46 | 169 | Fair | Good | Good | 9 | Some | | Good | |
| 45 | 170 | Fair | Fair | Good | 9 | Very evident | | High | Not uniform conditions for comparative inspection with rest of panels because W P is missing by oversight on this exposure |
| 47 | 172 | | Good | Good | 10 | Apparent | | Good | Indication of scaling |
| 34 | 175 | Good | Medium | Good | 4 | Evident | Slight | Egg shell | Same conditions as apparent on C panel, and paint split and checked. |
| 38 | 177 | Bad | Good | Good | 1 | Bad | Bad | Egg shell | Cracking and perishing evident |
| 39 | 178 | Good | Fair | Good | 6 | | Some | Good | |
| 35 | 180 | Good | Good | Good | 4 | Matt | | Egg shell | |
| 36 | 181 | Bad | Good | Good | 1 | Very apparent | Bad | Egg shell | About same as panel 177, but checking not quite so apparent |
| 37 | 182 | Bad | Good | Good | 1 | Very apparent | Bad | Egg shell | About same as panel 177, but wood shows more plainly |

R. S. PERRY, Director Scientific Section. GEORGE BUTLER, Official Painter Master House Painters and Decorators Association of Philadelphia.

# CHAPTER V

## Report on Analysis of Paints Used on Atlantic City Test Fence

By ROBERT JOB

COPY.

BOOTH, GARRETT & BLAIR,
404 and 406 Locust Street,
Philadelphia, Pa., April 28, 1909.

Mr. H. A. Gardner, Asst. Director, Scientific Section, Paint Mfrs. Association, 3500 Gray's Ferry Road, Phila., Pa.

Dear Sir:—

We have made analyses of the samples of paint received from you from the wooden panel fence at Atlantic City, and obtain the results given below. In each case the pigment was separated from the vehicle with 88° gasoline. More or less action had taken place between the oil and the pigment and the difference between the total given, and 100 consists mainly of soaps, formed together with a trace of oil. In No. 9 the settling was extremely slow, and considerable oil remained with the pigment. In order to place the results upon a comparative basis we have taken the proportions as found and figured them to a total of 100%, disregarding the soaps and oil which remained.

Yours respectfully,

(Signed) BOOTH, GARRETT & BLAIR.

# ANALYSES OF PAINTS.

## Formula No. 1.

| | Proportions found. | Calculated free from oil, etc. |
|---|---|---|
| Basic Carbonate—White Lead | 32.8% | 34.0% |
| Zinc Oxide | 63.7% | 66.0% |
| | 96.5% | 100.0% |

## Formula No. 2.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 48.3% | 50.4% |
| Zinc Oxide | 47.6% | 49.6% |
| | 95.9% | 100.0% |

## Formula No. 3.

| | | |
|---|---|---|
| Sublimed White Lead | 28.43% | 29.56% |
| Basic Carbonate—White Lead | 15.43% | 16.04% |
| Calcium Carbonate | 9.37% | 9.74% |
| Zinc Oxide | 42.95% | 44.66% |
| | 96.18% | 100.00% |

## Formula No. 4.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 47.7% | 48.5% |
| Zinc Oxide | 47.5% | 48.3% |
| Calcium Carbonate | 3.2% | 3.2% |
| | 98.4% | 100.0% |

## Formula No. 5.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 20.2% | 21.4% |
| Zinc Oxide | 46.4% | 49.3% |
| Calcium Carbonate | 3.3% | 3.5% |
| Magnesium Carbonate | 1.3% | 1.4% |
| Aluminum and Magnesium Silicates | 23.0% | 24.4% |
| | 94.2% | 100.0% |

## Formula No. 6.

| | | |
|---|---|---|
| Zinc Oxide | 61.3% | 62.9% |
| Barytes | 36.1% | 37.1% |
| | 97.4% | 100.0% |

## Formula No. 7.

| | Proportions found | Calculated free from oil, etc. |
|---|---|---|
| Basic Carbonate—White Lead | 43.3% | 45.0% |
| Zinc Oxide | 53.0% | 55.0% |
| | 96.3% | 100.0% |

## Formula No. 9.

| | | |
|---|---|---|
| Zinc oxide | 64.1% | 74.5% |
| Silica | 19.3% | 22.4% |
| Calcium Carbonate | 2.7% | 3.1% |
| | 86.1% | 100.0% |

## Formula No. 10.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 41.3% | 43.2% |
| Zinc Oxide | 41.5% | 43.4% |
| Calcium Carbonate | 7.1% | 7.4% |
| Magnesium Silicate | 5.8% | 6.0% |
| | 95.7% | 100.0% |

## Formula No. 11.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 47.7% | 49.0% |
| Zinc Oxide | 49.6% | 51.0% |
| | 97.3% | 100.0% |

## Formula No. 12.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 57.1% | 61.1% |
| Zinc Oxide | 31.8% | 34.1% |
| Inert Pigment | 4.5% | 4.8% |
| | 92.4% | 100.0% |

---

EDITOR'S NOTE.—A slight variance in the results obtained by the chemists working upon the analysis of Formula No. 8 has made it necessary to hold the publication of the analysis of this formula in abeyance. The results, however, of the control tests which are being made will be published in the second annual report on the wearing of the paints applied to the Atlantic City test fence.

### Formula No. 13.

| | Proportions found | Calculated free from oil, etc. |
|---|---|---|
| Basic Sulphate—White Lead | 56.42% | 57.04% |
| Zinc Oxide | 30.40% | 30.74% |
| Magnesium Silicate (insoluble) | 8.17% | 8.26% |
| Calcium Carbonate | 3.91% | 3.96% |
| | 98.90% | 100.00% |

### Formula No. 14.

| | | |
|---|---|---|
| Magnesium Carbonate | 0.85% | 0.89% |
| Calcium Carbonate | 2.75% | 2.86% |
| Sublimed White Lead | 15.29% | 15.96% |
| Zinc Oxide | 25.67% | 26.79% |
| Basic Carbonate—White Lead | 24.48% | 25.55% |
| Calcium Sulphate, Hydrated | 26.78% | 27.95% |
| | 95.82% | 100.00% |

### Formula No. 16.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 32.90% | 34.23% |
| Zinc Oxide | 33.43% | 34.77% |
| Barium Sulphate | 29.80% | 31.00% |
| | 96.13% | 100.00% |

### Formula No. 17.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 34.71% | 36.72% |
| Zinc Oxide | 40.48% | 42.84% |
| Barium Sulphate | 16.24% | 17.18% |
| Asbestine | 3.09% | 3.26% |
| | 94.52% | 100.00% |

### Formula No. 18.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 77.32% | 79.10% |
| Zinc Oxide | 20.44% | 20.90% |
| | 97.76% | 100.00% |

### Formula No. 19.

| | | |
|---|---|---|
| Basic Sulphate—White Lead | 61.9% | 65.9% |
| Zinc Oxide | 32.1% | 34.1% |
| | 94.0% | 100.0% |

## Formula No. 20.

| | Proportions found | Calculated free from oil, etc. |
|---|---|---|
| Basic Carbonate—White Lead | 64.1% | 66.3% |
| Zinc Oxide | 18.6% | 19.2% |
| Asbestine | 4.5% | 4.7% |
| Calcium Carbonate | 9.5% | 9.8% |
| | 96.7% | 100.0% |

## Formula No. 21.

| | | | |
|---|---|---|---|
| Barium Sulphate | 66.8% | 67.4% | Lithopone |
| Zinc Sulphide | 27.9% | 28.1% | 100% |
| Zinc Oxide | 4.5% | 4.5% | |
| | 99.2% | 100.0% | |

## Formula No. 22.

| | | | |
|---|---|---|---|
| Barium Sulphate | 78.9% | 81.4% | Barytes & |
| Zinc Sulphide | 15.4% | 15.9% | Lithopone, |
| Zinc Oxide | 2.6% | 2.7% | 100% |
| | 96.9% | 100.0% | |

## Formula No. 23.

| | | | |
|---|---|---|---|
| Barium Sulphate | 53.8% | 54.5% | Lithopone |
| Zinc Sulphide | 20.6% | 20.9% | & Barytes |
| Zinc Oxide | 18.6% | 18.8% | 75.4% |
| Calcium Carbonate | 5.7% | 5.8% | |
| | 98.7% | 100.0% | |

## Formula No. 24.

| | | |
|---|---|---|
| Lithopone | 64.9% | 67.0% |
| Zinc Oxide | 21.9% | 22.6% |
| Calcium Carbonate | 8.1% | 8.4% |
| Asbestine | 2.0% | 2.0% |
| | 96.9% | 100.0% |

### Formula No. 25.

| | Proportions found | Calculated free from oil, etc, |
|---|---|---|
| Lithopone | 67.6% | 71.2% |
| Zinc Oxide | 24.8% | 26.1% |
| Calcium Carbonate | 2.6% | 2.7% |
| | 95.0% | 100.0% |

### Formula No. 26.

| | | |
|---|---|---|
| Asbestine | 8.4% | 8.4% |
| Sublimed Lead | 24.5% | 24.8% |
| Lithopone | 54.8% | 55.0% |
| Zinc Oxide | 4.9% | 4.9% |
| Calcium Carbonate | 6.9% | 6.9% |
| | 99.5% | 100.0% |

### Formula No. 27.

| | | |
|---|---|---|
| Lithopone | 57.4% | 58.6% |
| Basic Carbonate—White Lead | 30.6% | 31.2% |
| Calcium Carbonate | 6.9% | 7.1% |
| Asbestine | 3.1% | 3.1% |
| | 98.0% | 100.0% |

### Formula No. 33.

| | | |
|---|---|---|
| Zinc Oxide | 32.30% | 32.94% |
| Silica | 29.19% | 29.77% |
| Basic Carbonate—White Lead | 19.62% | 17.29% |
| Basic Sulphate—White Lead | 16.96% | 20.00% |
| | 98.07% | 100.00% |

### Formula No. 34.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 34.1% | 35.9% |
| Lead Sulphate | 6.9% | 7.3% |
| Zinc Oxide | 33.9% | 35.7% |
| Calcium Carbonate | 17.4% | 18.3% |
| Barytes and Silica | 2.7% | 2.8% |
| | 95.0% | 100.0% |

### Formula No. 35.

| | Proportions found | Calculated free from oil, etc, | |
|---|---|---|---|
| Lead Sulphate | 4.32% | 4.43% | |
| Basic Carbonate—White Lead | 37.14% | 38.14% | |
| Zinc Oxide | 26.43% | 27.14% | |
| Calcium Carbonate | 19.73% | 20.26% | |
| Barytes and Silica | 9.77% | 10.03% | |
| | 97.39% | 100.00% | |

### Type B, Formula No. 36.

| | | | |
|---|---|---|---|
| Basic Carbonate—White Lead | 97.00% | 100.00% | |

### Type C, Formula No. 37.

| | | | |
|---|---|---|---|
| Basic Carbonate—White Lead | 98.54% | 100.00% | |

### Type A, Formula No. 38.

| | | | |
|---|---|---|---|
| Basic Carbonate—White Lead | 96.82% | 100.00% | |

### Formula No. 39.

| | | | |
|---|---|---|---|
| Lead Sulphate | 50.2% | 50.8% | |
| Zinc Oxide | 47.0% | 47.6% | Zinc Lead |
| Lead Oxide | 0.8% | 0.8% | White |
| Zinc Sulphate | 0.8% | 0.8% | |
| | 98.8% | 100.0% | |

### Formula No. 40.

| | | |
|---|---|---|
| Lead Sulphate | 74.16% | Sublimed |
| Lead Oxide | 20.26% | White |
| Zinc Oxide | 6.41% | Lead |
| | 100.83% | |

### Formula No. 45.

| | | |
|---|---|---|
| Basic Carbonate—White Lead | 88.76% | 90.55% |
| Calcium Carbonate | 9.27% | 9.45% |
| | 98.03% | 100.00% |

## Formula No. 46.

| | Proportions found | Calculated free from oil, etc |
|---|---|---|
| Zinc Oxide | 60.70% | 62.75% |
| Barium Sulphate | 36.01% | 37.25% |
| | 96.71% | 100.00% |

## Formula No. 47.

| | | |
|---|---|---|
| Zinc Oxide | 96.8% | 100.00% |

# CHAPTER VI

## Detailed Report of Inspection

### DEFINITIONS USED

In defining the conditions observed on inspection, terms are used to define these conditions as follows:—

**Condition:** This refers to the apparent condition of the coating when examined at a distance of four feet. The degrees of condition as thus observed are designated as "Very Good," "Good," "Fairly Good," "Fair" and "Bad."

**Hiding Power:** This refers to the relative opacity of the paint film when closely examined. The degrees of opacity are designated as "Good," "Fair," "Medium" and "Poor."

**Color (or Whiteness):** This refers to the relative purity or intensity of color, absolute whiteness being the standard. The relative degrees of whiteness are designated as "Excellent," "Good" and "Off-Color," the inclination towards a cold or a warm tint being distinguished as "Bluish Tone" and "Ivory Tone" respectively.

**Hardness:** This refers to the apparent hardness of the paint film. In these inspections this characteristic was not determined by absolute measurements, but the figures given express the consensus of opinion of the observers. The degrees of hardness run from "1" for the softest, to "10" for the hardest of the coatings, as examined.

#### MEMO.

The observations for color and hardness were made in a similar manner to the determination of condition, and were made as carefully as visual perception and comparison would allow.

These observations have been carefully recorded, but, inasmuch as new methods will now render it possible to make exact determinations in the coming season for color and hardness and with instruments of precision, the reports thereon which will follow after the exact scientific determinations have been conducted will then be the authoritative data for color and hardness.

**Checking:** This refers to the minute cracking which marks the beginning of deterioration in the continuity of the film. The terms used to designate differences are self-explanatory. Where there was a difference of opinion among the inspectors as to the existence of this characteristic as well as where all agreed to its absence, no comment is made under this head.

**Chalking:** This term is fully understood in the trade, and the method used to determine its existence and extent is fully explained in the text.

**Gloss:** This term is also fully understood and the terms used to designate its degrees will require no elucidation.

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# FORE-WORD

It has been the desire of the Bureau of the Paint Manufacturers' Association that the Scientific Section refrain from the expression of opinion or conclusion to be derived from the results of inspection at Atlantic City.

Certain conclusions and opinons have been made as statements in the reports of the various committees representing the American Society of Testing Materials and the Master Painters, but the following DETAILED REPORT OF INSPECTION represents an exact statement of the vital points gathered from an unbiased inspection and this following report is therefore presented in detail as THE ANNUAL INSPECTION made in joint committee by the Director of the Scientific Section and the Official Painter appointed by the Master House Painters' and Decorators' Association of Philadelphia.

R. S. PERRY, Director Scientific Section.

## *DETAILED REPORT OF INSPECTION*

*The following joint report of condition is prepared to submit exact data regarding the condition of each formula at the present time, and this detailed report can be referred to for comparison at subsequent inspections.*

*The report of the condition of each formula is supplemented by a photograph on the opposite page, which shows, in a general way, the appearance of the test.*


*R. S. PERRY*

*Director Scientific Section*
*Bureau of Promotion and Development*
*Paint Manufacturers' Association*
*of the United States*

*GEORGE BUTLER*

*Official Painter of the*
*Master House Painters and Decorators*
*of Philadelphia*


C 3
Y 1
W 1
C 35
Y 35
W 31
C 69
Y 69
W 6
C 145
Y 145
W 14

**Panel No. 1** **Formula No. 1**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 30% |
| | Zinc Oxide | 70% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Excellent | |
| Hardness: | 8 | |
| Checking: | ———— | |
| Chalking: | Very slight | |
| Gloss: | High—even, like rubbed varnish work. | |
| Remarks: | ———— | |



**Panel No. 145** **Formula No. 18**

| | | |
|---|---|---|
| | Basic Carbonate White Lead (in oil) | 75% |
| | Zinc Oxide (in oil) | 25% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Excellent | |
| Hardness: | 3 | |
| Checking: | Hard matt | |
| Chalking: | Moderate | |
| Gloss: | Medium | |
| Remarks: | ———— | |


C 3
Y 3
W 3
C 37
Y 37
W 37
C 71
Y 71
W 71
C 147
Y 147
W 147
C 105
Y 105
W 105

**Panel No. 3** **Formula No. 2**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 50% |
| | Zinc Oxide | 50% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good (Bluish tone) | |
| Hardness: | 5 | |
| Checking: | Hard matt | |
| Chalking: | Moderate | |
| Gloss: | Medium high | |
| Remarks: | ———— | |



**Panel No. 147** **Formula No. 19**

| | | |
|---|---|---|
| | Basic Sulphate White Lead (in oil) | 75% |
| | Zinc Oxide (in oil) | 25% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Excellent | |
| Hardness: | 2 | |
| Checking: | Hard matt | |
| Chalking: | Slight | |
| Gloss: | Very little | |
| Remarks: | — ———— | |


C 5
Y 5
W 5
C 39
Y 39
W 39
C 73
Y 73
W 73
C 149
Y 149
W 149
C 107
Y 107
W 107

**Panel No. 5**

**Formula No. 3**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 20% |
| | Basic Sulphate White Lead | 20% |
| | Zinc Oxide | 50% |
| | Calcium Carbonate | 10% |
| Condition: | Good | |
| Hiding Power: | Fair | |
| Color: | Good (Ivory tone) | |
| Hardness: | 4 | |
| Checking: | | |
| Chalking: | Medium | |
| Gloss: | Slight | |
| Remarks: | ———— | |



**Panel No. 149**

**Formula No. 20**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 67.0% |
| | Zinc Oxide | 19.5% |
| | Silicate of Magnesia (Asbestine) | 3.5% |
| | Calcium Carbonate | 10.0% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 5 | |
| Checking: | ———— | |
| Chalking: | Very little | |
| Gloss: | Medium | |
| Remarks: | ———— | |


C 7
Y 7
W 7
C 41
Y 41
W 41
C 75
Y 75
W 75
C 151
Y 151
W 151
C 109
Y 109
W 109

**Panel No. 7**

**Formula No. 4**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 48.5% |
| | Zinc Oxide | 48.5% |
| | Calcium Carbonate | 3.0% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 5 | |
| Checking: | ——— | |
| Chalking: | Very slight | |
| Gloss: | Medium high—uniform | |
| Remarks: | ——— | |

**Formula No. 21**

| | |
|---|---|
| Lithopone | 100% |

Has failed. Condemned.


N.G

**Panel No. 9**

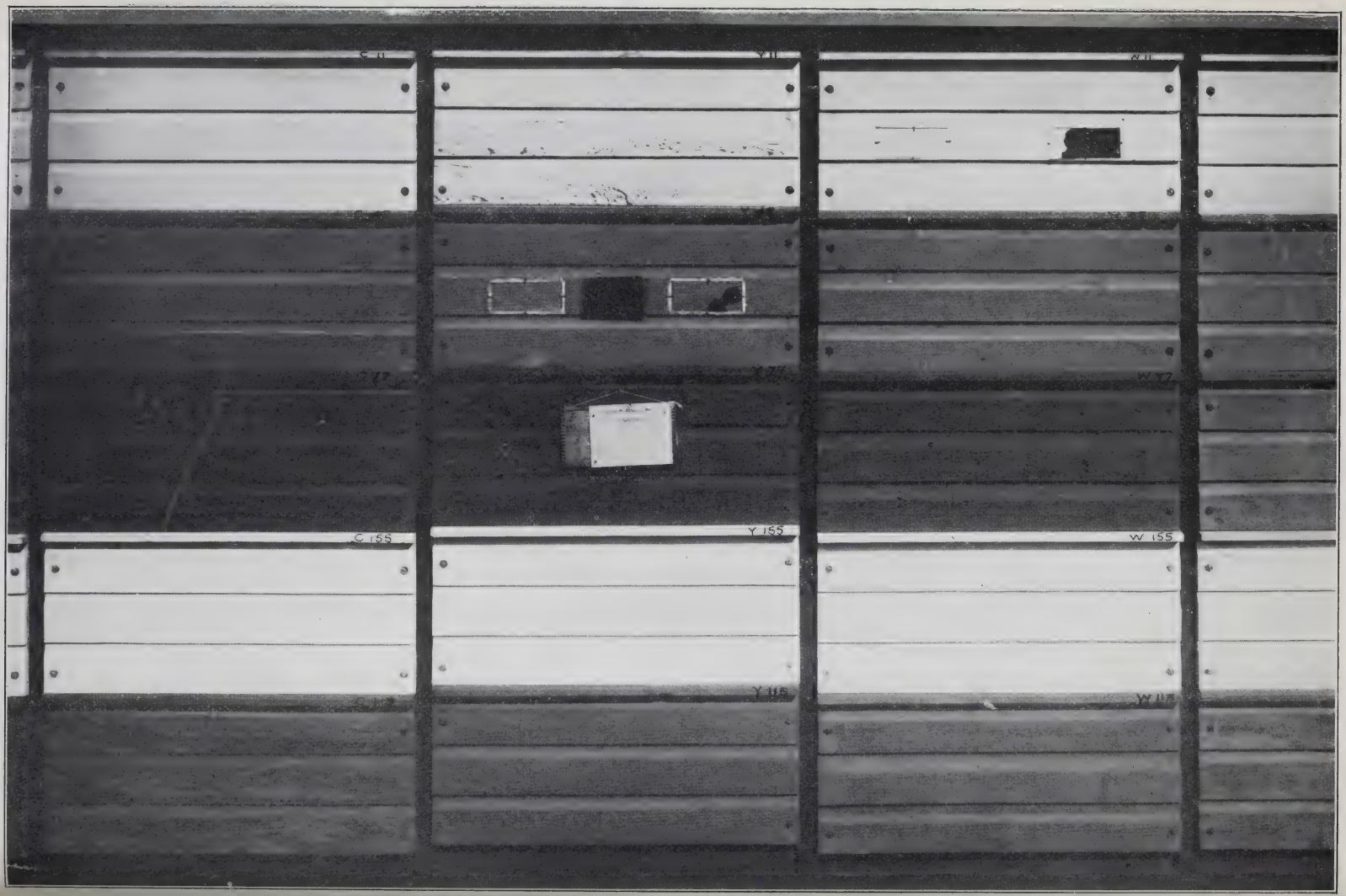
**Formula No. 5**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 22% |
| | Zinc Oxide | 50% |
| | Calcium Carbonate | 2% |
| | Aluminum & Magnesium Silicates | 26% |
| Condition: | Good | |
| Hiding Power: | Weak | |
| Color: | Good | |
| Hardness: | 8 1-2 | |
| Checking: | ——— | |
| Chalking: | Slight | |
| Gloss: | High | |
| Remarks: | Hard surface | |

**Formula No. 22**

| | |
|---|---|
| Lithopone | 66% |
| Barytes floated | 34% |

Has failed. Condemned.


C 11
Y 11
W 11
C 155
Y 155
W 155

**Panel No. 11**

**Formula No. 6.**

| | | |
|---|---|---|
| | Zinc Oxide | 64% |
| | Barytes | 36% |
| Condition: | Fairly good | |
| Hiding Power: | Weak | |
| Color: | Good | |
| Hardness: | 8 | |
| Checking: | Matt checking evident | |
| Chalking: | ——— | |
| Gloss: | Good | |
| Remarks: | Surface rough | |

**Formula No. 23**

| | |
|---|---|
| Lithopone | 70% |
| Zinc Oxide | 15% |
| Calcium Carbonate | 5% |
| Barytes | 10% |

Has failed. Condemned.


G 13
Y 13
W 13
G 47
Y 47
W 47
G 81
Y 81
W 81
G 157
Y 157
W 157
G 115
Y 115
W 115

**Panel No. 13**

**Formula No. 7**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 37% |
| | Zinc Oxide | 63% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Off color slightly, ivory tone | |
| Hardness: | 7 | |
| Checking: | ——— —— | |
| Chalking: | Slight | |
| Gloss: | High | |
| Remarks: | ——————— | |

**Formula No. 24**

| | |
|---|---|
| Lithopone | 70% |
| Zinc | 20% |
| Calcium Carbonate | 8% |
| Silicate of Magnesia (Asbestine) | 2% |

Has failed. Condemned.


G 15
Y 15
W 15
G 49
Y 49
W 49
G 83
Y 83
W 83
G 159
Y 159
W 159
G 117
Y 117
W 117

**Panel No. 15**

**Formula No. 8**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 38% |
| | Zinc Oxide | 48% |
| | Silica | 14% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 8 1-2 | |
| Checking: | ———— | |
| Chalking: | Slight | |
| Gloss: | High | |
| Remarks: | ———— | |

**Formula No. 25**

| | |
|---|---|
| Lithopone | 73% |
| Zinc Oxide | 24% |
| Calcium Carbonate | 3% |

Has failed. Condemned.


G 17
Y 17
W 17
G 51
Y 51
W 51
G 85
Y 85
W 85
G 161
Y 161
W 161
G 119
Y 119
W 119

**Panel No. 17**

**Formula No. 9**

| | | |
|---|---|---|
| | Zinc Oxide | 73% |
| | Silica | 25% |
| | Calcium Carbonate | 2% |
| Condition: | Fair | |
| Hiding Power: | Poor | |
| Color: | Good | |
| Hardness: | 9 | |
| Checking: | Heavy matt | |
| Chalking: | ——— | |
| Gloss: | High | |
| Remarks: | Peeling started | |

**Formula No. 26**

| | |
|---|---|
| Lithopone | 60% |
| Sublimed White Lead or Basic Sulphate—White Lead | 30% |
| Calcium Carbonate | 5% |
| Silicate of Magnesia (Asbestine) | 5% |

Has failed. Condemned.


C 19
Y 19
W 19
C 53
Y 53
W 53
C 87
Y 87
W 87
C 163
Y 163
W 163
C 121
Y 121
W 121

**Panel No. 19**

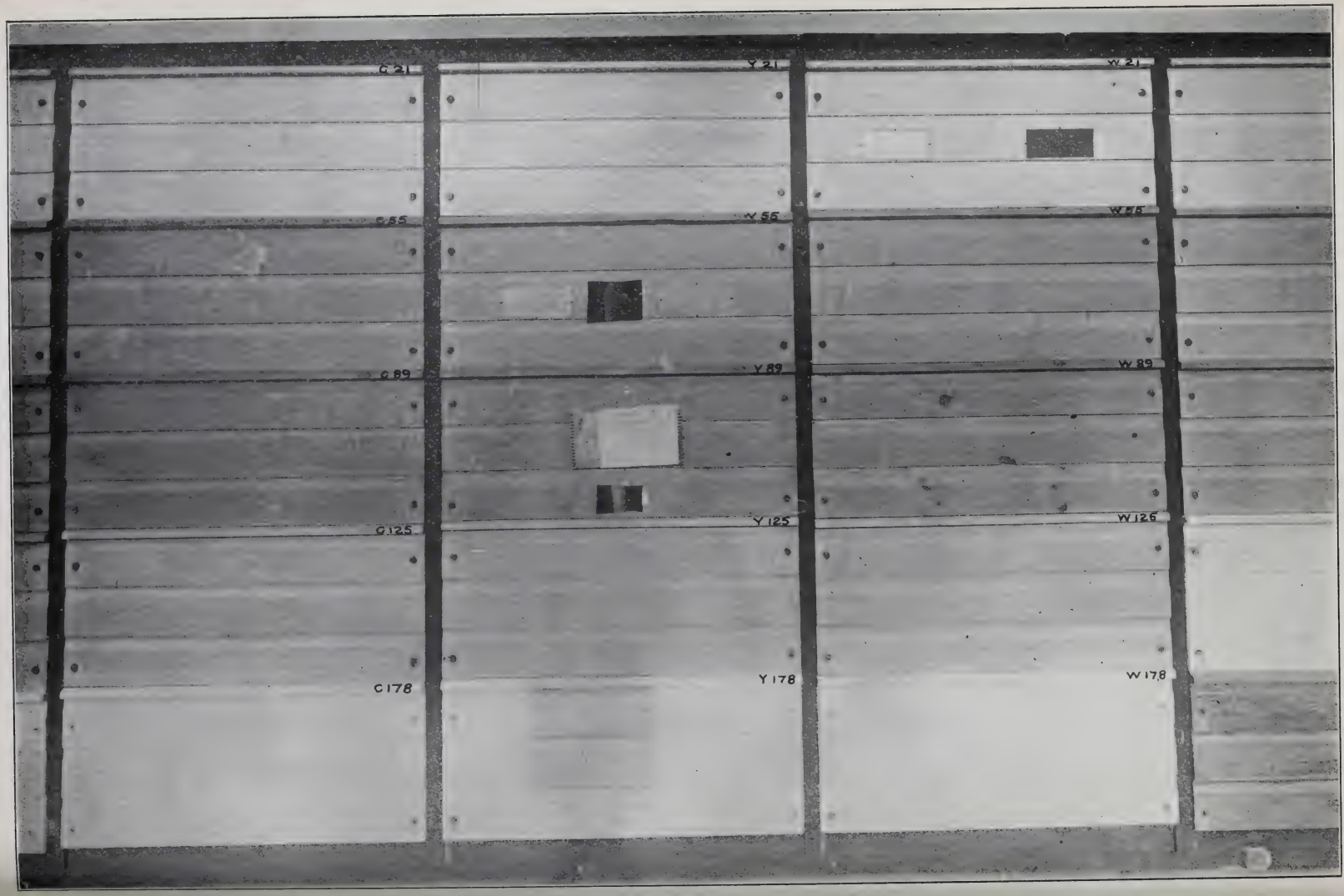
**Formula No. 10**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 44% |
| | Zinc Oxide | 46% |
| | Calcium Carbonate | 5% |
| | Magnesium Silicate | 5% |
| Condition: | Good | |
| Hiding Power: | Fair | |
| Color: | Good | |
| Hardness: | 5 | |
| Checking: | ———— | |
| Chalking: | Some | |
| Gloss: | Medium high | |
| Remarks: | ———— | |

**Formula No. 27**

| | |
|---|---|
| Lithopone | 60% |
| Basic Carbonate White Lead | 30% |
| Calcium Carbonate | 5% |
| Asbestine | 5% |

Has failed. Condemned.


C 21
Y 21
W 21
C 55
Y 55
W 55
C 89
Y 89
W 89
C 125
Y 125
W 125
C 178
Y 178
W 178

**Panel No. 21** **Formula No. 11**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 50% |
| | Zinc Oxide | 50% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Excellent | |
| Hardness: | 7 1-2 | |
| Checking: | Medium | |
| Chalking: | Some | |
| Gloss: | Medium high | |
| Remarks: | Some washing and discoloration of the coating | |

**Panel No. 178** **Formula No. 39**

| | | |
|---|---|---|
| | Zinc Lead White | 100% |
| Condition: | Good | |
| Hiding Power: | Fair | |
| Color: | Good | |
| Hardness: | 6 | |
| Checking: | ———— | |
| Chalking: | Some | |
| Gloss: | Good | |


C 23
C 57
C 91
C 127
C 175
Y 23
Y 57
Y 91
Y 127
Y 170
W 23
W 57
W 91
W 127
W 168

**Panel No. 23** — **Formula No. 12**

| | |
|---|---|
| Basic Carbonate White Lead | 60% |
| Zinc Oxide | 34% |
| Inert Pigment | 6% |
| Condition: | Good |
| Hiding Power: | Medium |
| Color: | Good |
| Hardness: | 4 |
| Checking: | Heavy matt |
| Chalking: | Bad |
| Gloss: | Medium |
| Remarks: | ———— |

**Panel No. 168** — **Formula No. 40**

| | |
|---|---|
| Sublimed White Lead or Basic Sulphate—White Lead | 100% |
| Condition: | Good |
| Hiding Power: | Good |
| Color: | Good |
| Hardness: | 2 |
| Checking: | Some |
| Chalking: | Considerable |
| Gloss: | Egg shell |
| Remarks: | ———— |

**Panel No. 175** — **Formula No. 34**

| | |
|---|---|
| Basic Carbonate-White Lead | 38.95% |
| Basic Sulphate-White Lead | 4.81% |
| Zinc Oxide | 33.58% |
| Calcium Carbonate | 19.48% |
| Barytes and Silica | 3.18% |
| Condition: | Good |
| Hiding Power: | Medium |
| Color: | Good |
| Hardness: | 4 |
| Checking: | Evident |
| Chalking: | Slight |
| Gloss: | Egg shell |
| Remarks: | Same conditions as apparent on cypress panel and paint split and checked. |

**Panel No. 170** — **Formula No. 45**

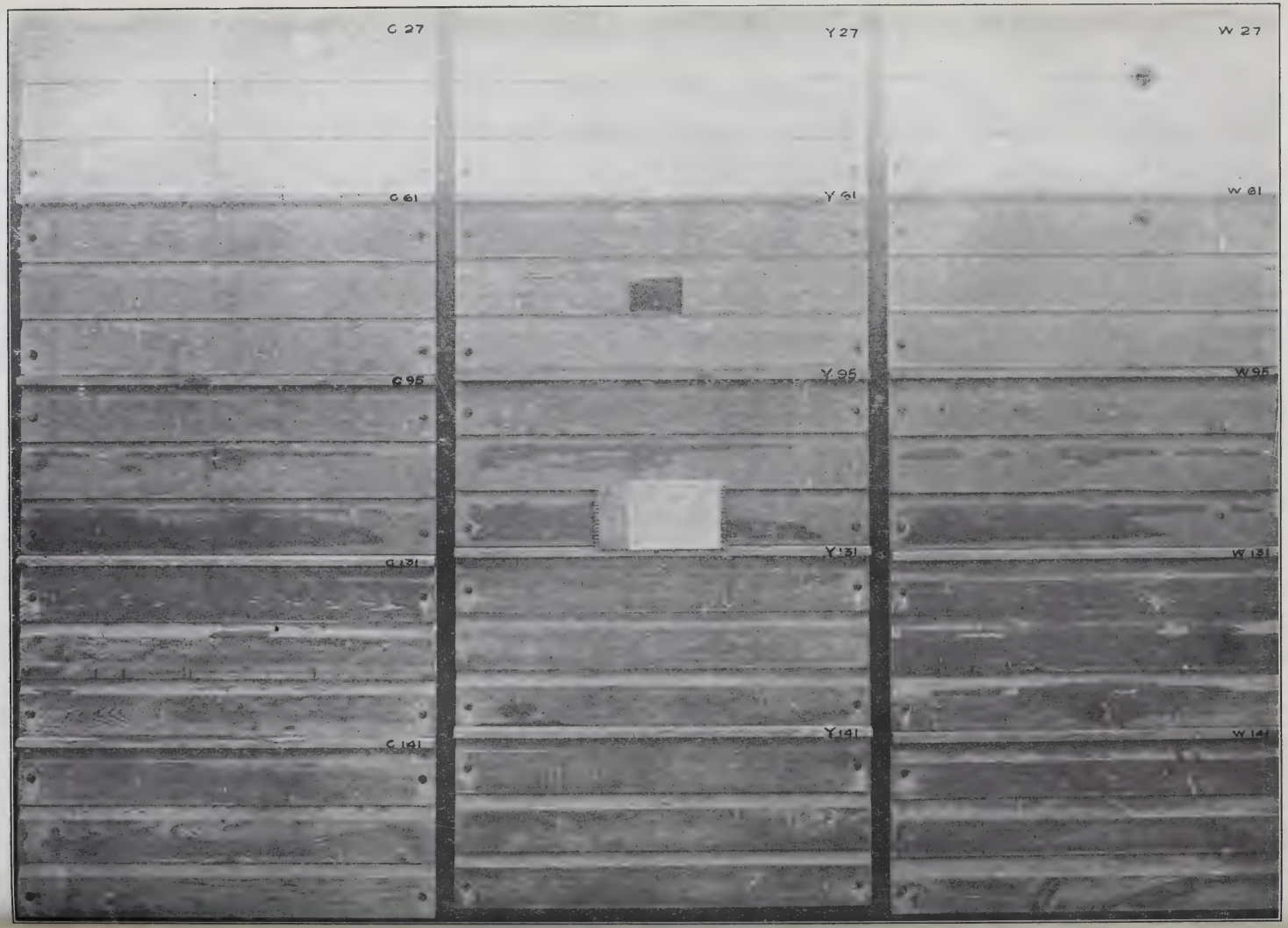
| | |
|---|---|
| Zinc Oxide in Raw Oil | 100% |
| Condition: | Fair |
| Hiding Power: | Fair |
| Color: | Good |
| Hardness: | 9 |
| Checking: | Very evident |
| Chalking: | ———— |
| Gloss: | High |
| Remarks: | Not uniform conditions for comparative inspection with rest of panels on fence because white pine is missing on this exposure, by oversight |

X 125
X 125
W 129
W 139
V 128
V 139
C 129
C 139

**Panel No. 25**

**Formula No. 13**

| | | |
|---|---|---|
| | Basic Sulphate-White Lead | 60% |
| | Zinc Oxide | 27% |
| | Magnesium Silicate | 10% |
| | Calcium Carbonate | 3% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 4 | |
| Checking: | ——— | |
| Chalking: | Medium | |
| Gloss: | Fair | |
| Remarks: | ——— | |


C 27
C 61
C 95
C 131
C 141
Y 27
Y 61
Y 95
Y 131
Y 141
W 27
W 61
W 95
W 131
W 141

**Panel No. 27**

**Formula No. 14**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 25% |
| | Basic Sulphate White Lead | 20% |
| | Zinc Oxide | 25% |
| | Calcium Sulphate | 25% |
| | Calcium Carbonate | 5% |
| Condition: | Bad | |
| Hiding Power: | Medium | |
| Color: | Good | |
| Hardness: | 5 | |
| Checking: | Evident | |
| Chalking: | Some | |
| Gloss: | Medium | |
| Remarks: | Dead spongy surface. White incrustation prominently shown | |



**Panel No. 29**

**Formula No. 15**

| | | |
|---|---|---|
| | Zinc Lead White | 30% |
| | Zinc Oxide | 40% |
| | Basic Carbonate White Lead | 20% |
| | Calcium Carbonate | 10% |
| Condition: | Good | |
| Hiding Power: | Medium | |
| Color: | Good | |
| Hardness: | 8 1-2 | |
| Checking: | Coarse matt | |
| Chalking: | Slight | |
| Gloss: | High | |
| Remarks: | ———— | |


C 55
Y 65
W 85
C 93
Y 93
W 93
C 135
Y 135
W 135
C 171
Y 174
W 165

**Panel No. 31**

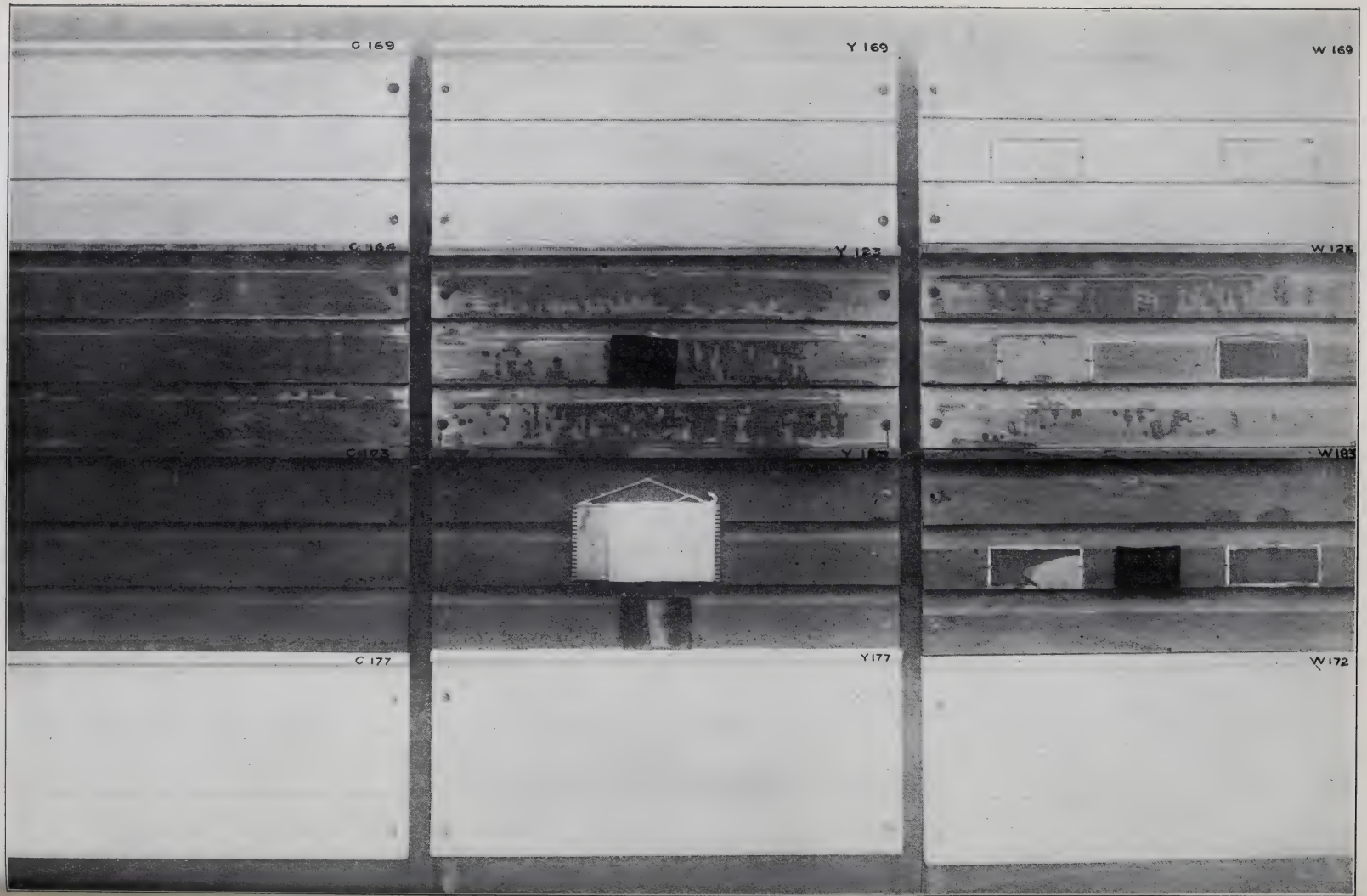
**Formula No. 16**

| | | |
|---|---|---|
| | Basic Carbonate White Lead | 33% |
| | Zinc Oxide | 33% |
| | Barytes | 34% |
| Condition: | Fair | |
| Hiding Power: | Fair | |
| Color: | Good | |
| Hardness: | 7 1-2 | |
| Checking: | Bad | |
| Chalking: | Slight | |
| Gloss: | Good | |
| Remarks: | White incrustation | |


C 33
Y 33
W 33
C 67
Y 67
W 67
C 101
Y 101
W 101
C 137
Y 137
W 137
C 179
Y 171
C 166

**Panel No. 33** **Formula No. 17**

| | | |
|---|---|---|
| | Barytes | 13% |
| | Blanc Fixe | 4% |
| | Asbestine | 3% |
| | Zinc Oxide | 40% |
| | Basic Carbonate White Lead | 40% |
| Condition: | Good | |
| Hiding Power: | Fair | |
| Color: | Good | |
| Hardness: | 4 | |
| Checking: | ———— | |
| Chalking: | Some | |
| Gloss: | Fair | |
| Remarks: | ———— | |


C 169
Y 169
W 169
C 164
Y 123
W 135
C 183
Y 183
W 183
C 177
Y 177
W 172

**Panel No. 160** **Formula No. 46**

| | | |
|---|---|---|
| | Zinc Oxide | 61% |
| | Barytes | 39% |
| Condition: | Fair | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 9 | |
| Checking: | | |
| Chalking: | ———— | |
| Gloss: | Good | |
| Remarks: | | |

**Panel No. 177** **Formula No. 38**

**Type A**—Strictly Pure Basic Carbonate-White Lead 100%

| | |
|---|---|
| Condition: | Bad |
| Hiding Power: | Good |
| Color: | Good |
| Hardness: | 1 |
| Checking: | Bad |
| Chalking: | Bad |
| Gloss: | Egg shell |
| Remarks: | Cracking and Perishing evident |

**Panel No. 172** **Formula No. 47**

| | | |
|---|---|---|
| | Zinc Oxide | 100% |
| | Ground in special oil | |
| Condition: | ———— | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 10 | |
| Checking: | Apparent | |
| Chalking: | ———— | |
| Gloss: | Good | |
| Remarks: | Indications of scaling | |


Y 175
W 175
Y 185
W 185
Y 167
C 167
Y 181
W 181

**Panel No. 181** **Formula No. 36**

**Type B**—Strictly Pure Basic Carbonate-White Lead 100%

Condition: Bad
Hiding Power: Good
Color: Good
Hardness: 1
Checking: Very apparent
Chalking: Bad
Gloss: Egg shell
Remarks: About same as Panel No. 177, but checking not quite so apparent

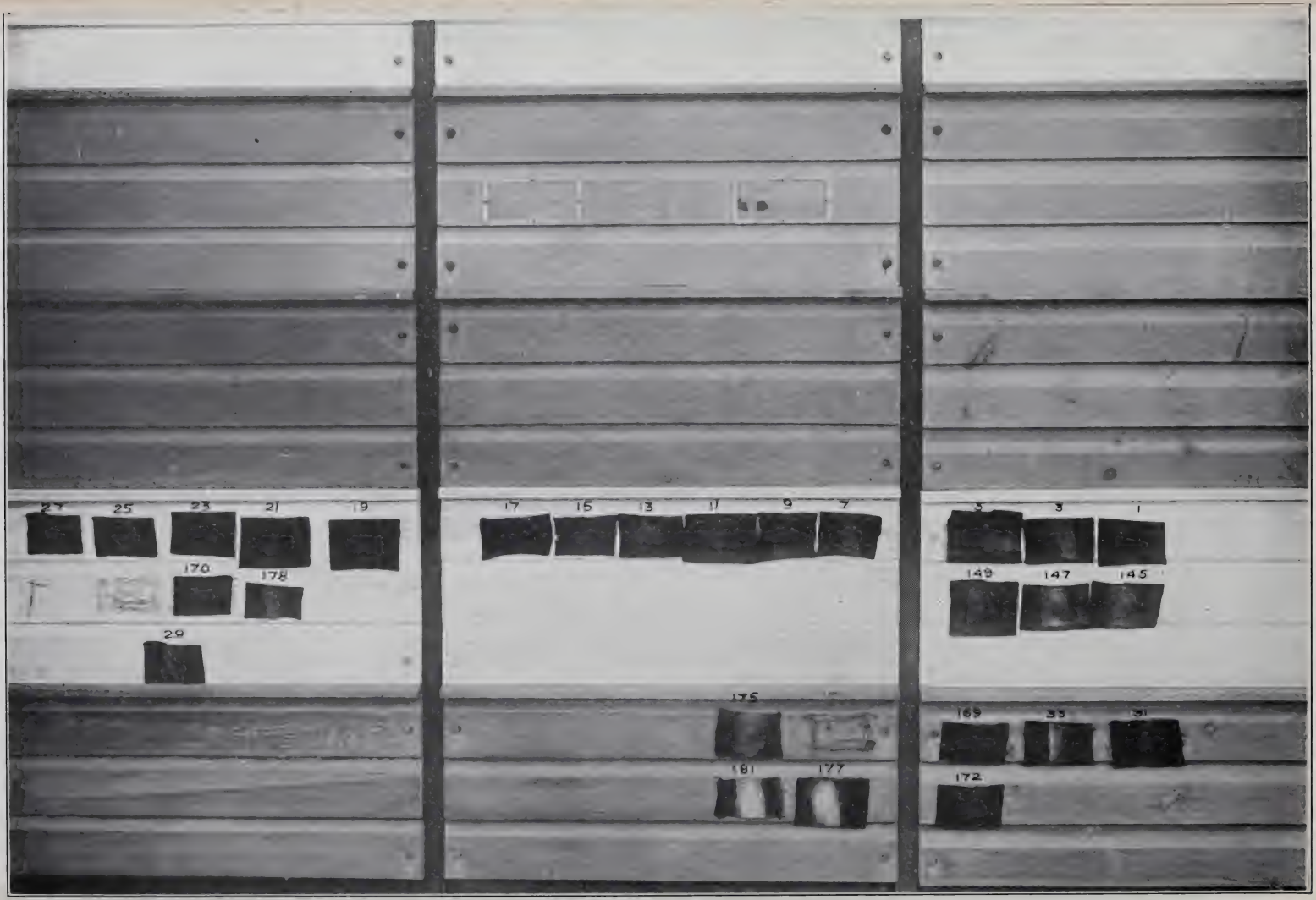

C 22
W 24
Y 24
C 56
W 58
Y 58
C 90
W 92
Y 92
C 124
W 126
Y 126
C 182
W 180
Y 180

**Panel No. 180** **Formula No. 35**

| | | |
|---|---|---|
| | Basic Carbonate-White Lead | 37.51% |
| | Basic Sulphate-White Lead | 7.84% |
| | Zinc Oxide | 25.87% |
| | Calcium Carbonate | 20.36% |
| | Barytes and Silica | 8.42% |
| Condition: | Good | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 4 | |
| Checking: | Matt | |
| Chalking: | ———— | |
| Gloss: | Egg shell | |
| Remarks: | ———— | |

**Panel No. 182** **Formula No. 37**

| | | |
|---|---|---|
| **Type C** | —Strictly Pure Basic Carbonate-White Lead | 100% |
| Condition: | Bad | |
| Hiding Power: | Good | |
| Color: | Good | |
| Hardness: | 1 | |
| Checking: | Very apparent | |
| Chalking: | Bad | |
| Gloss: | Egg shell | |
| Remarks: | About same as Panel No. 177 | |



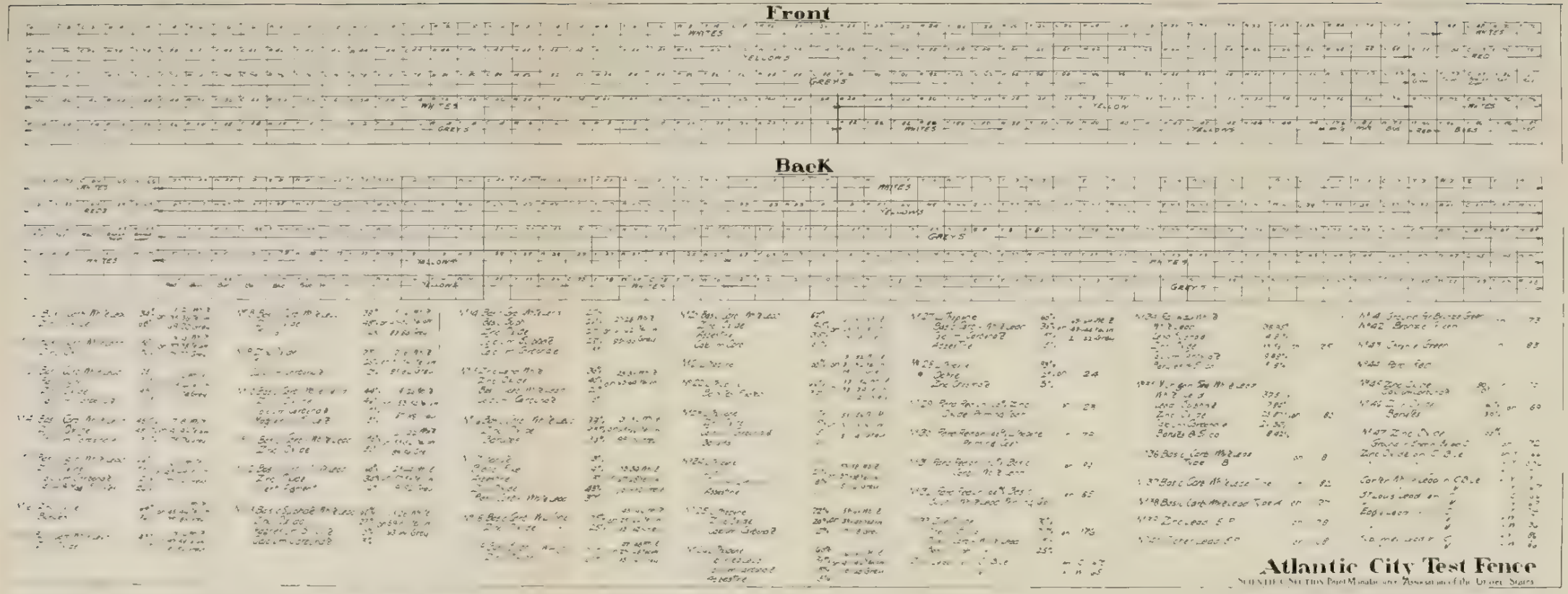

SERIES OF BLACK FELT CLOTHS USED IN MAKING THE CHALK TESTS ON THE VARIOUS FORMULAS. NUMBERS OVER CLOTHS REPRESENT PANELS





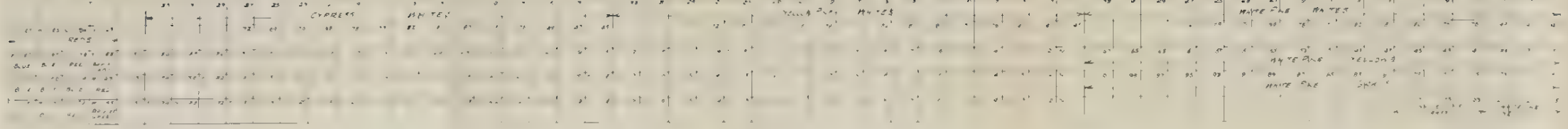

FRONT OF FENCE SHOWING PRESENT REARRANGEMENT OF PANELS

PANEL CHART OF ATLANTIC CITY TEST FENCE

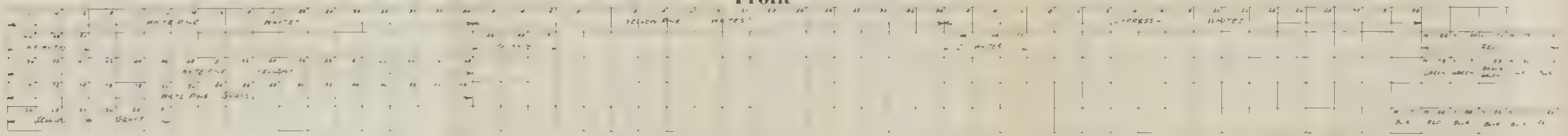



On this chart is given the formula number and percentage composition of each paint. The numbers following the formulas represent the panels upon which the paints were applied, in white, yellow and gray.

## Back

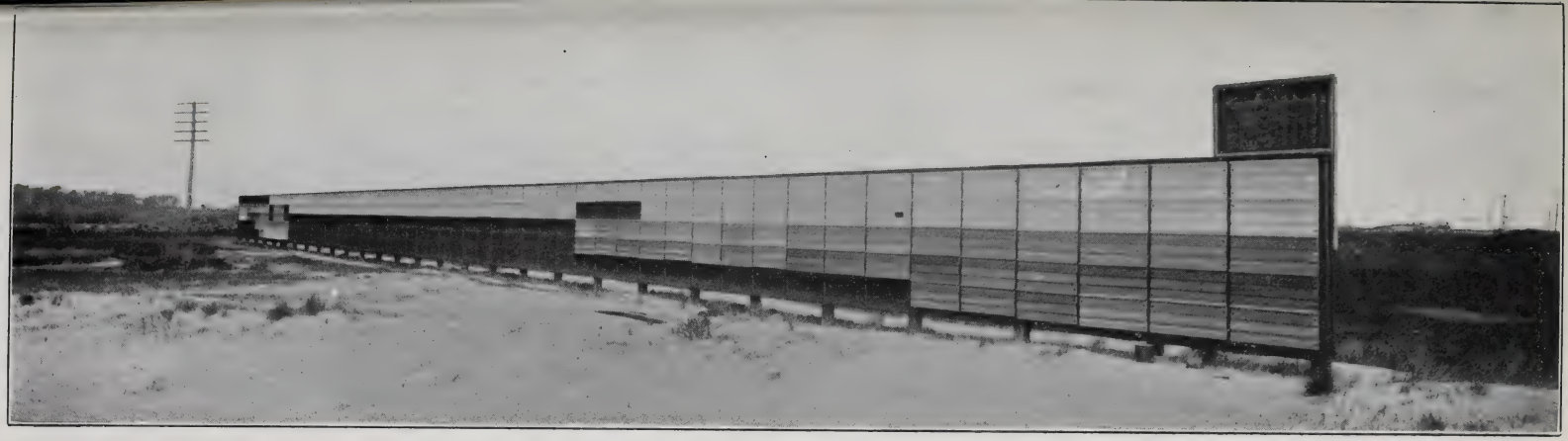


## Front

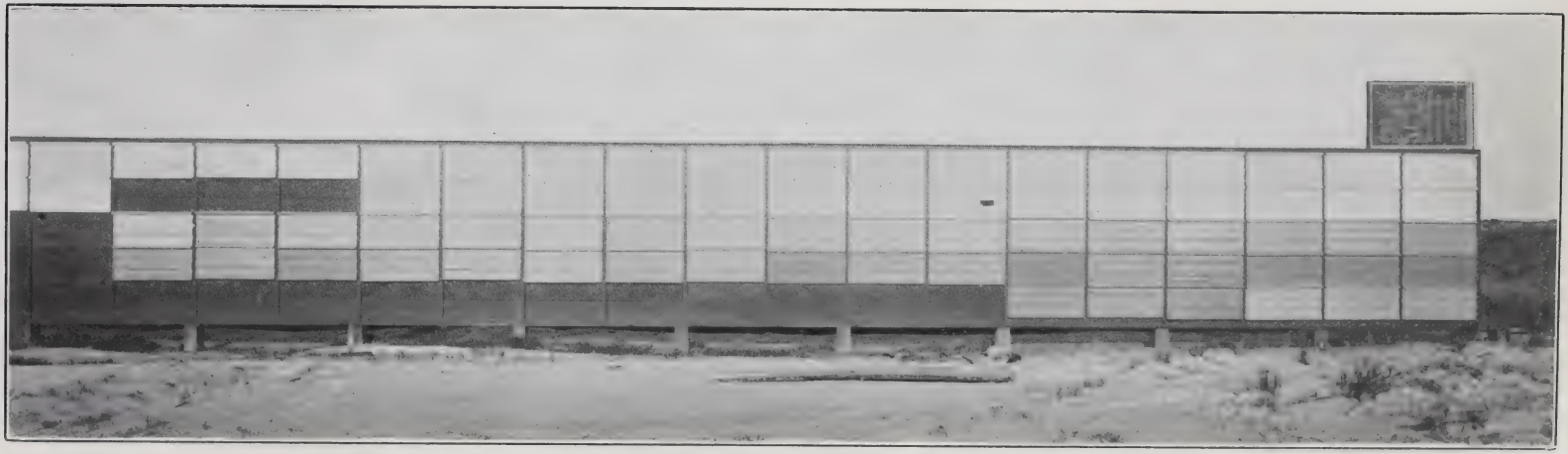


PRESENT ARRANGEMENT OF PANELS ON [illegible] FENCE

Showing the pen formulae applied to back. These are set graded as N
are ore n Wh's Yellow & Gray pour White Pine wood



BACK OF FENCE SHOWING PRESENT REARRANGEMENT OF PANELS



BACK OF FENCE SHOWING PRESENT GROUPING OF WHITE PINE PANELS

# CHAPTER VII

## Report on Paint Application

Because of the value of the data recorded during the application of the various formula, the record sheets follow.

As will be observed, an endeavor was made to file away all the information obtainable from the application of the various paints.

In a previous bulletin, the general outline of the methods followed in conducting the work has been published. A repetition thereof, in part, may be excusable at this place, as affording the reader of the following report a clearer conception of their meaning.

On January 16th the work on the Atlantic City test fence was started. The weather was fairly clear and dry for that season of the year, and the temperature was 50 deg. F. inside the house where the paint was applied. The work was all done in the presence of the painting inspector and weigher, Mr. Parthree for Committee E, of the American Society for Testing Materials; Mr. Pablo, painter for Geo. Butler, who was appointed official painter of the fence by the Master Painters' Association of Philadelphia, and Mr. J. B. Campbell, inspector for the Paint Manufacturers' Association. The work was under the direction and supervision of Mr. H. A. Gardner, of the Scientific Section.

The panels were arranged in sections of six—first, two white pine; second, two yellow pine; and third, two cypress —by Mr. Parthree, and in their proper sequence with regard to the consecutive numbers branded on these panels.

PAINTS. The various paints were received in quart cans labeled "Paint Manufacturers' Association," and bearing the number of the paint contained therein, but with no information regarding the name of the manufacturer who pre-

pared the paint nor other directions or information regarding reduction, etc. The various white leads used were received in kegs of 12 1-2 lbs. each.

BRUSHES. A heavy 7-0 round bristle brush was used for the priming coat, so that the paint could be thoroughly worked into the wood. On the second and third coats a three-inch flat chisel brush was used. These were washed and cleaned thoroughly in two washes of turpentine after applying one number of paint on all six panels in one color. The painter then worked out all the paint from the brush and set the brush in pot No. 1, turpentine. The inspector then washed them thoroughly in pots Nos. 1 and 2, of turpentine, then dried them and handed them to me, and, after carefully noting that no pigment was left in the brushes, they were thoroughly worked into the next number of paint to be used. In this way no pigment was carried over from one paint to another.

SHELLACING. Orange shellac was applied to knots on the bare wood of those panels used for paints Nos. 8 to 27, and over the priming coat on those panels used for paints Nos. 1 to 8. The shellac was applied by the inspector, Mr. Parthree. By this method we have two conditions of shellacing, from which we hope to draw inferences later on as to the best method of application.

## PRIMING COAT.

A full quart can of paint as received was placed upon a correct set of balances and the gross weight was taken in grams and the weight of the paint as received was marked on the weighing sheets.

The can was then opened and the contents was poured into a half-gallon enamel pot and thoroughly broken up and stirred well to bring the mixture to thorough incorporation. The consistency was then noted and one-half of this paint was transferred to two half-pint friction top cans, which were sealed and marked with the number of the paint and name of the fence, and later on one set of these cans was sent to the Scientific Section, and the other sent to Commit-

tee E, of the American Society for Testing Materials, for future reference and analysis.

Proper reduction was made for the priming coat of the balance of the paint in the enamel pot, and it was then ready for application. The brush used for the priming coat was thoroughly worked into the paint and then the pot, paint and brush were placed upon the balance and the weight taken by the official weigher in grams, using the metric system throughout in this test. The pot was then handed to the painter who applied the paint to one panel. After proper application, the brush, pot and paint were then handed back to the weigher and reweighed, the difference in weight being the weight of the paint in grams used on the panel, recording same on the weighing sheet, also the number of the panel upon which the paint was applied and the kind of lumber. This method of procedure was followed throughout the tests on every formula and on every panel.

The drying of the priming coat was noted every twenty-four hours on the different woods and the penetration was observed at the same time. The priming coat was allowed eight days to dry, and during this period inspection was made as to the drying.

At this period a black cross was stenciled upon the end of the middle board of each panel with lampblack. This was placed there in order that we might observe the hiding power of the different formulas on the second and third coats.

## SECOND COAT.

The weather conditions prevailing during the application of the second coat were practically the same as during the first coat, and the temperature was noted every day. A new can of paint was used for each test on the second coat, and the method of weighing used in the first coat was followed throughout. The contents of a fresh can of paint was placed into the enamel pot and thoroughly broken up. The consistency was then carefully noted, and one pint was used for reduction, this reduction being recorded on a separate sheet. The reduction was made with oil and turpentine,

taking into consideration the formula and color of each paint. The consistency of the reduced paint was taken and carefully noted upon the data sheet. The covering was noted at the time of application and marked down. The penetration and drying were noted every twenty-four hours. This coat was allowed about nine days to dry, with frequent inspection.

## THIRD COAT.

A new package of paint was opened and the entire contents was poured into the enamel pot, and after being thoroughly broken up and mixed, was used as received, without reduction wherever possible, and where reduction was necessary, it was made and carefully noted. The same system of weighing was used in the third coat as on the first and second coats. The covering and working of the paint was carefully noted at the time of application, and inspection of the covering was made after the work was finished and the panel ready to be screwed to the fence. At this time glass slides of plain and orange glass, in frames, were placed on different panels.

LEADS. The leads were reduced by the ounce system, each ounce of vehicle added to 12 1-2 oz. of paste lead as received representing one gallon of vehicle to 100 lbs. lead. The amount of reduction was carefully noted, and the reduction compared with the consistency of the mixed paints used, thus giving a test throughout of equal conditions and applications.

# CHAPTER VIII

## Data on Applications and Reductions

### FIRST COAT.

#### Formula No. 1. White and Yellow.

Data on Applications and Reductions.

Condition when opened—good.

Consistency when broken up—medium.

Reduction recommended—not used.

Reduction used—1 pint turps, 1 quart oil to gallon of paint.

Consistency after reducing—good.

Working—good.

Drying on white and yellow pine—good; cypress—poor.

Penetration pines—good; cypress—poor.

#### Formula No. 2. White and Yellows.

Condition when opened—good.

Consistency when broken up—heavy.

Reduction recommended—none.

Reduction used—3 pints raw oil, 1 pint turps, 1 gallon paint.

Consistency after reducing—good, stiff.

Working—fair.

Drying—fair on pines; cypress—poor.

Penetration, pines—good; cypress—poor.

#### Formula No. 3. White and Yellows.

Condition when opened—good.

Consistency when broken up—heavy.

Reduction recommended—none.

Reduction used—1½ pints turps, 3 pints oil.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration, soft pines—good; yellow—fair; cypress—medium.

### Formula No. 4. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1½ pints raw oil.
Consistency after reducing—good.
Working—good.
Drying, pines—good; cypress—poor.
Penetration, soft pines—good; yellow—fair; cypress—medium.

### Formula No. 5. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint raw oil, ½ pint turps.
Drying on pines—good; cypress—poor.
Penetration, pines—good; cypress—medium.

### Formula No. 6. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—3 pints oil, ½-pint turps.
Consistency after reducing—good.
Working—good.
Drying—poor on all woods.
Penetration on pines—fair; cypress—poor.

### Formula No. 7. White and Yellow.

Condition when opened—tendency to harden in bottom of package.
Consistency when broken up—good.
Reduction recommended—none.

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DAY & ZIMMERMANN
PHILADELPHIA, PA.

Reduction used—3 pints oil, ½-pint turps. This paint contains large percentage of turps in mix.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 8. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—1½ pints turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—dried in spots.
Penetration on pines—good; cypress—fair.

### Formula No. 9. White and Yellow.

Condition when opened—mushy.
Consistency when broken up—mushy.
Reduction recommended—1 quart oil, 1 pint turps.
Consistency after reducing—mushy.
Working—easy.
Drying—poor.
Penetration—poor.

### Formula No. 10. White and Yellow.

Condition when opened—good.
Consistency when broken up—good, mushy.
Reduction used—1 quart raw oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—spots.
Penetration on pines—good; cypress—fair.

### Formula No. 11. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.

Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—cypress, spots.
Penetration on pines—good; cypress—medium.

### Formula No. 12. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—slow; cypress—poor.
Penetration on pines—fair; cypress—poor.

### Formula No. 13. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—2 pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on white pine—good; cypress—slow.
Penetration on pines—good; cypress—fair.

### Formula No. 14. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction recommended—none.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying pines—fair; cypress—spots.
Penetration, pines—good; cypress—fair.

### Formula No. 15. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.

Reduction recommended—none.
Reduction used—1 quart oil, 1½ pints turps.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 16. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying—good; spots on cypress.
Penetration, pines—good; few spots on cypress.

### Formula No. 17. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium to fair.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—medium.
Working—good.
Drying—medium slow, spots on cypress.
Penetration, pines—good; cypress—medium.

### Formula No. 18. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1½ pints oil, ¾-pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 19. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, 1½ pints turps.

Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 20. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair to medium.
Reduction used—1 pint oil, 1½ pints turps.
Consistency after reducing—good.
Working good.
Drying on pines—good; cypress—fair.
Penetration—good; cypress—spots.

### Formula No. 21. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—½-pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying pines—fair; cypress—poor.
Penetration on pines—good; cypress—fair.

### Formula No. 22. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—½-pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying, pines—fair; cypress—poor.
Penetration on pines—good; cypress—fair.

### Formulas Nos. 23, 24, 25, 26, 27, 28. Whites and Yellows.

All 6 numbers received same reduction and were the same in consistency, drying and penetration.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, 1½ pints turps.

Consistency after reducing—good.
Working—good.
Drying on pines—slow, dry in 6 days; Cypress—dried in spots.
Penetration on pines—good; cypress—fair.

### Formula No. 33. White.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, ½-pint turps.
Consistency after reducing—medium.

---

## SECOND COAT.

### Formula No. 1. White and Yellow.

Consistency when broken up—medium.
Reduction used—1 pint turps, ½-pint B. O.
Consistency after reducing—good.
Working—good.
Hiding—good on pine.
Drying—good on pine.
Penetration on pine—good; cypress—poor.

### Formula No. 2. White and Yellow.

Consistency when broken up—heavy.
Reduction used—1½ pints turps, 1 pint B. O.
Consistency after reducing—good.
Working—good.
Hiding—medium.
Drying on pines—good; cypress—poor. Japan added, ½-pint to gallon of paint.
Penetration—fair.

### Formula No. 3. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.

Reduction used—1½ pints turps, 1½ pints B. O.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 4. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; few spots on cypress.
Penetration on pines—good; few spots on cypress.

### Formula No. 5. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—fair.
Drying on pines—good; cypress—poor. Dryers added.
Penetration on pines—good; cypress—poor.

### Formula No. 6. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1½ pints turps, 1½ pints B. O.
Consistency after reducing—good.
Working—good.
Hiding—medium to fair.
Drying—poor, slow. Cypress had to be set out to harden. Japan added.
Temperature—31 degrees.

### Formula No. 7. White and Yellow.

Condition when opened—tendency to harden in bottom.
Consistency when broken up—good.
Reduction used—1 pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 8. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, ¾-pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 9. White and Yellow.

Condition when opened—mushy.
Consistency when broken up—mushy.
Reduction used—1½ pints turps.
Consistency after reducing—fair.
Working—fair.
Hiding—poor.
Drying—fair.
Penetration—fair.

### Formula No. 10. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium-mushy.
Reduction used—1½ pints turps, 1 pint B. O.
Consistency after reducing—good.
Working—good.

Hiding—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 11. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—medium.
Penetration on pine—good; cypress—medium.

### Formula No. 12. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—medium.
Penetration on pine—good; cypress—medium.

### Formula No. 13. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pines—good; cypress—medium.
Penetration on pines—good; cypress—medium.

### Formula No. 14. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, ½ O.

Consistency after reducing—fair.
Working—fair.
Hiding—fair to medium.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—medium.

### Formula No. 15. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.
Reduction used—1½ pints turps, 1½ pints oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 16. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—fair.
Penetration on pine—good; cypress—fair.

### Formula No. 17. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair.
Reduction used—1 pint turps, ½-pint. oil.
Consistency after reducing—medium.
Working—medium.
Drying on pine and cypress—fair.
Hiding—medium.
Penetration—fair.

### Formula No. 18. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.

Reduction used—½-pint oil, ½-pint turps.
Consistency after reducing—medium.
Working—fair.
Hiding—fair.
Drying—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 19. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—2-3-pint turps, ½-pint oil.
Consistency after reducing—fair.
Working—hard.
Hiding—fair.
Drying—fair.
Penetration—fair.

### Formula No. 20. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair to medium.
Reduction used—1 pint turps, ½-pint oil.
Consistency after reducing—medium.
Working—good.
Hiding—good.
Drying—fair.
Penetration—fair.

### Formulas Nos. 21 and 22. Whites and Yellows.

Condition when opened—fair. Mixing bad, not well incorporated.
Consistency when broken up—medium.
Reduction used—1 pint turps.
Consistency after reducing—fair.
Working—fair.
Hiding—fair.
Drying—fair; spots on cypress.
Penetration on pine—good; cypress—fair.

### Formulas Nos. 23, 24, 25, 26, 27 and 28. Whites and Yellows.

Condition when opened—fair in mixing.
Consistency when broken up—medium.
Reduction used—1 pint turps, ½-pint oil.
Consistency after reducing—fair.
Working—fair.
Hiding—Medium.
Drying on pines—fair; some spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 33. White.

Condition when opened—good.
Reduction used—1 pint turps.
Consistency after reducing—good.
Working—good.
Hiding—medium.
Drying—good.

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## FIRST COAT.

### Formula No. 1. Gray.

Condition when opened—good.
Reduction recommended—not followed.
Reduction used—1 pint turps, 1 pint raw oil.
Drying—slow; cypress—spots.

### Formula No. 2. Gray.

Reduction used—3 pints raw oil, 1½ pints turps.
Drying—slow; cypress—spots.

### Formula No. 3. Gray.

Reduction used—1½ pints turps, 3½ pints oil.
Drying—slow; cypress—hard on surface.

### Formula No. 4. Gray.

Reduction used—1½ pints turps, 3 pints oil.
Drying—slow; cypress—surface dried.

### Formula No. 5. Gray.

Reduction used—2 pints oil, 1 pint turps.
Drying—slow; cypress—poor, 2d coat worked up, spots.

### Formula No. 6. Gray.

Reduction used—3½ pints oil, 1½ pints turps.
Drying—poor; cypress had to be set out, japan added.

### Formula No. 7. Gray.

Reduction used—3 pints, 1 pint turps.
Drying—good; cypress—good.

### Formula No. 8. Gray.

Reduction used—1½ pints turps, 1½ pints oil.
Drying—good; cypress—fair.

### Formula No. 9. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—poor.

### Formula No. 10. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good; cypress—spots.

### Formula No. 11. Gray.

Reduction used—1 pint oil, 1 pint turps.
Drying—good on pine; cypress—fine.

### Formula No. 12. Gray.

Reduction used—1 pint oil, 1 turps.
Drying—Good; cypress—medium.

### Formula No. 13. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good on pine; cypress—spots.

### Formula No. 14. Gray.

Reduction used—2 pints oil, 1½ pints turps.
Drying—good; few spots on cypress.

### Formula No. 15. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good.

### Formula No. 16. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good; few spots on cypress.

### Formula No. 17. Gray.

Reduction used—1 quart oil, 1 pint turps.
Drying—slow on pine; cypress—spots.

### Formula No. 18. Gray.

Reduction used—1 quart oil, 1 pint turps.
Drying—slow on pine; cypress—fine.

### Formula No. 19. Gray.

Reduction used—1½ pints oil, 1½ pints turps.
Drying—good on pine; cypress—fine.

### Formula No. 20. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 21. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 22. Gray.

Reduction used—1 pint oil, 1 pint turps.
Drying—good on pine; fair on cypress.

### Formulas Nos. 23 to 27. Grays.

Reduction used—1 pint oil, 1½ pints turps.
Drying—slow on pine; cypress—in spots.

## SECOND COAT.

### Formula No. 1. Gray.

Reduction used—1½ pints turps.
Drying—good on pine.

### Formula No. 2. Gray.

Reduction used—1½ pints turps.
Drying—good on pine; cypress—spots.

### Formula No. 3. Gray.

Reduction used—1½ pints turps, ½-pint oil.
Drying—good.

### Formula No. 4. Gray.

Reduction used—1½ pints turps.

### Formula No. 5. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 6. Gray.

Reduction used—1 pint turps.
Drying—fine on pine; spots on cypress.

### Formula No. 7. Gray

Reduction used—1 pint turps, 1 pint oil. This paint had turps used in manufacturing.
Drying—good.

### Formula No. 8. Gray.

Reduction used—1 pint turps.
Drying—good.

### Formula No. 9. Gray.

Reduction used—1½ pints turps.
Drying—fair; spots on cypress.

### Formula No. 10. Gray.

Reduction used—1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 11. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 12. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 13. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 14. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 15. Gray.

Reduction used—1½ pints turps, ½-pint oil.
Drying—good.

### Formula No. 16. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 17. Gray.

Reduction used—1 pint turps.
Drying—fine on pine; spots on cypress.

### Formula No. 18. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 19. Gray.

Reduction used—1 pint turps.
Drying—fair on all woods.

### Formula No. 20. Gray.

Reduction used—1 pint turps.
Drying—fair on all woods.

### Formulas Nos. 21 and 22. Grays.

Reduction used—1½ pints turps.
Drying—good on pine; spots on cypress.

### Formulas Nos. 23 to 27. Grays.

Reduction used—1 pint turps.
Drying—good on pine; spots on cypress.

## THIRD COAT.

### Formula No. 1. All colors.

Reduction used as received.

### Formula No. 2. All colors.

Reduction used—1 pint oil, ½-pint turps.

### Formula No. 3. All colors.

Reduction used—1½ pints oil, ½-pint turps.

### Formula No. 4. All colors.

Reduction used—1 pint oil, ½-pint turps.

### Formula No. 5. All colors.

Reduction used—½-pint oil, ½-pint turps.

### Formula No. 6. All colors.

Reduction used—1½ pints oil, ½-pint turps.

### Formula No. 7. All colors.

Reduction used—1 pint oil.

### Formula No. 8. All colors.

Reduction used as received.

### Formula No. 9. All colors.

Reduction used—½-pint turps.

**Formula No. 10. All colors.**

Reduction used—½-pint oil, ½-pint turps.

**Formula No. 11. All colors.**

Reduction used as received.

**Formula No. 12. All colors.**

Reduction used as received.

**Formula No. 13. All colors.**

Reduction used—½-pint oil, ½-pint turps.

**Formula No. 14. All colors.**

Reduction used—½-pint turps and oil.

**Formula No. 15. All colors.**

Reduction used—1½ pints oil, ½-pint turps.

**Formula No. 16. All colors.**

Reduction used—½-pint turps.

**Formulas Nos. 17 to 26. All colors.**

Reduction used as received.

## LEAD REDUCTIONS.

**Calculated on 100-lb. Lead Paste.**

### PRIMING COAT.

**Formulas Nos. 34 and 35.**

7½ gallons oil, ¾-gallon turps, 1 pint japan.

**Formula No. 36.**

9 gallons oil, 1 pint japan.

**Formulas Nos. 37-38.**

6½ gallous oil, ½-gallon turps, 1 pint turps japan.

**Formulas Nos. 39-40.**

6½ gallons oil, 1 gallon turps.

## SECOND COAT.

### Formulas Nos. 34-35.

4½ gallons oil, 1 gallon turps, 1 pint japan.

### Formula No. 36.

4½ gallons oil, 1 pint turps.

### Formulas Nos. 37-38.

3½ gallons oil, 1 gallon turps, 1 pint japan.

### Formulas Nos. 39-40.

4 gallons oil, 1¼ gallons turps, 1 pint japan.

## THIRD COAT.

### Formulas Nos. 34-35.

4 gallons oil, 1 pint japan, 1 pint turps.

### Formula No. 36.

4½ gallons oil, 1 pint japan.

### Formulas Nos. 37-38.

3 gallons oil, 1 pint turps, ½-pint japan.

### Formulas Nos. 39-40.

4 gallons oil, 1 pint turps, ½-pint japan.

# CHAPTER IX

## Record of Weights and Spreading Capacities

An accurate record of the weight of paint brushed on each coat of each panel was made, and the complete data of weights is hereby given. The spreading rate of the White Paints are given for all formulae.

The figures at the extreme right represent the spreading rate.

### No. 1, WHITE PAINT.

#### 1st Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1875 | Wt. of ¼ gal. paint as received. | | |
| 1672 | " " reduced paint before use. | | |
| 1616 | " " " " after use. | | |
| 56 | " " paint applied to | W. P. Panel, No. 1 | 610 sq. ft. |
| 1616 | | | |
| 1563 | Ditto | | |
| 53 | | Y. P. Panel, No. 1 | 645 sq. ft. |
| 1563 | | | |
| 1523 | Ditto | | |
| 40 | | C. Panel, No. 1 | 854 sq. ft. |
| 1523 | | | |
| 1483 | Ditto | | |
| 40 | | W. P. Panel, No. 2 | 854 sq. ft. |
| 1483 | | | |
| 1436 | Ditto | | |
| 47 | | Y. P. Panel, No. 2 | 727 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1436 | | |
| 1396 | Ditto | |
| 40 | C. Panel. No. 2 | 854 sq. ft. |

## No. 2, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1977 | Wt. of ¼ gal. paint as received. | |
| 1829 | " " reduced paint before use. | |
| 1788 | " " " " after use. | |
| 41 | " " paint applied to W. P. Panel, No. 3 | 913 sq. ft. |
| 1788 | | |
| 1746 | Ditto | |
| 42 | Y. P. Panel, No. 3 | 892 sq. ft. |
| 1746 | | |
| 1712 | Ditto | |
| 34 | C. Panel, No. 3 | 1102 sq. ft. |
| 1712 | | |
| 1672½ | Ditto | |
| 40½ | W. P. Panel, No. 4 | 925 sq. ft. |
| 1672½ | | |
| 1633½ | Ditto | |
| 39 | Y. P. Panel, No. 4 | 960 sq. ft. |
| 1633½ | | |
| 1601½ | Ditto | |
| 33 | C. Panel, No. 4 | 1138 sq. ft. |

## No. 3, WHITE PAINT.

### 1st Coat

| | | |
|---|---|---|
| 2215 | Wt. of ¼ gal. paint as received. | |
| 1937 | " " reduced paint before use. | |
| 1891 | " " " " after use. | |
| 46 | " " paint applied to W. P. Panel, No. 5 | 912 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1891 | | |
| 1857 | Ditto | |
| 34 | | Y. P. Panel, No. 5 1204 sq. ft. |
| 1857 | | |
| 1823 | Ditto | |
| 34 | | C. Panel, No. 5 1204 sq. ft. |
| 1823 | | |
| 1779 | Ditto | |
| 44 | | W. P. Panel, No. 6 954 sq. ft. |
| 1779 | | |
| 1728½ | Ditto | |
| 51½ | | Y. P. Panel, No. 6 813 sq. ft. |
| 1728½ | | |
| 1692 | Ditto | |
| 36½ | | C. Panel, No. 6 1149 sq. ft. |

## No. 4, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2269 | Wt. of ¼ gal. paint as received. | |
| 1803 | " " reduced paint before use. | |
| 1751 | " " " " after use. | |
| 52 | " " paint applied to | W. P. Panel, No. 7 759 sq. ft. |
| 1751 | | |
| 1716 | Ditto | |
| 35 | | Y. P. Panel, No. 7 1127 sq. ft. |
| 1716 | | |
| 1680 | Ditto | |
| 36 | | C. Panel, No. 7 1196 sq. ft. |
| 1680 | | |
| 1641 | Ditto | |
| 39 | | W. P. Panel, No. 8 1011 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1641 | | |
| 1597 | Ditto | |
| 44 | Y. P. Panel, No. 6 | 896 sq. ft. |
| 1597 | | |
| 1556 | Ditto | |
| 41 | C. Panel, No. 8 | 962 sq. ft. |

## No. 5, WHITE PAINT.

### 1st Coat.

1722 Wt. of ¼ gal. paint as received.

| | | | |
|---|---|---|---|
| 1469½ | " " reduced paint before use. | | |
| 1428½ | " " " " after use. | | |
| 41 | " " paint applied to | W. P. Panel No. 9 | 714 sq. ft. |
| 1428½ | | | |
| 1391 | Ditto | | |
| 39½ | Y. P. Panel, No. 9 | | 741 sq. ft. |
| 1391 | | | |
| 1359 | Ditto | | |
| 32 | C. Panel, No. 9 | | 915 sq. ft. |
| 1322 | | | |
| 1288 | Ditto | | |
| 34 | W. P. Panel, No. 10 | | 861 sq. ft. |
| 1288 | | | |
| 1256 | Ditto | | |
| 32 | Y. P. Panel, No. 10<br>C. Panel, No. 10 | | 915 sq. ft. |

## NO. 6, WHITE PAINT.

### 1st Coat.

1905 Wt. of ¼ gal. paint as received.

| | | | |
|---|---|---|---|
| 1572 | " " reduced paint before use. | | |
| 1532 | " " " " after use. | | |
| 40 | " " paint applied to | W. P. Panel, No. 11 | 928 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1532 | | |
| 1497 | Ditto | |
| 35 | | Y. P. Panel, No. 11 1060 sq. ft. |
| 1497 | | |
| 1463 | Ditto | |
| 34 | | C. Panel, No. 11 1092 sq. ft. |
| 1463 | | |
| 1420 | Ditto | |
| 43 | | W. P. Panel, No. 12 863 sq. ft. |
| 1420 | | |
| 1379 | Ditto | |
| 41 | | Y. P. Panel, No. 12 905 sq. ft. |
| 1379 | | |
| 1347 | Ditto | |
| 32 | | C. Panel, No. 12 1160 sq. ft. |

## No. 7, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2072 | Wt. of ¼ gal. paint as received. | |
| 1751 | " " reduced paint before use. | |
| 1701 | " " " " after use. | |
| 50 | " " paint applied to | W. P. Panel, No. 13 763 sq. ft. |
| 1701 | | |
| 1658 | Ditto | |
| 43 | | Y. P. Panel, No. 13 887 sq. ft. |
| 1658 | | |
| 1615 | Ditto | |
| 43 | | C. Panel, No. 13 887 sq. ft. |
| 1615 | | |
| 1570 | Ditto | |
| 45 | | W. P. Panel, No. 14 848 sq. ft. |
| 1570 | | |
| 1534 | Ditto | |
| 36 | | Y. P. Panel, No. 14 1059 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1534 | | |
| 1502 | Ditto | |
| 32 | | C. Panel, No. 14 1192 sq. ft. |

## NO. 8, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1927 | Wt. of ¼ gal. paint, as received. | |
| 1771 | " " reduced paint before use. | |
| 1729 | " " " " after use. | |
| 42 | " " paint applied to | W. P. Panel, No. 15 786 sq. ft. |
| 1729 | | |
| 1689 | Ditto | |
| 40 | | Y. P. Panel, No. 15 826 sq. ft. |
| 1689 | | |
| 1652 | Ditto | |
| 37 | | C. Panel, No. 15 893 sq. ft. |
| 1652 | | |
| 1609 | Ditto | |
| 43 | | W. P. Panel, No. 16, 768 sq. ft. |
| 1609 | | |
| 1567 | Ditto | |
| 42 | | Y. P. Panel, No. 16 786 sq. ft. |
| 1567 | | |
| 1531 | Ditto | |
| 36 | | C. Panel, No. 16 917 sq. ft. |

## NO. 9, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1519 | Wt. of ¼ gal. paint as received. | |
| 1444 | " " reduced paint before use. | |
| 1404 | " " " " after use. | |
| 40 | " " paint applied to | W. P. Panel, No. 17 716 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1404 | | | |
| 1363 | Ditto | | |
| 41 | | Y. P. Panel, No. 17 | 698 sq. ft. |
| 1363 | | | |
| 1329 | Ditto | | |
| 34 | | C. Panel, No. 17 | 842 sq. ft. |
| 1329 | | | |
| 1287 | Ditto | | |
| 42 | | W. P. Panel, No. 18 | 682 sq. ft. |
| 1287 | | | |
| 1251 | Ditto | | |
| 36 | | Y. P. Panel, No. 18 | 795 sq. ft. |
| 1251 | | | |
| 1114 | Ditto | | |
| 37 | | C. Panel, No. 18 | 774 sq. ft. |

## NO. 10, WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1893 | Wt. of ¼ gal. paint as received. | | |
| 1710 | " " reduced paint before use. | | |
| 1670 | " " " " after use. | | |
| 40 | " " paint applied to | W. P. Panel, No. 19 | 861 sq. ft. |
| 1670 | | | |
| 1626 | Ditto | | |
| 44 | | Y. P. Panel, No. 19 | 783 sq. ft. |
| 1626 | | | |
| 1590 | Ditto | | |
| 36 | | C. Panel, No. 19 | 956 sq. ft. |
| 1590 | | | |
| 1555 | Ditto | | |
| 35 | | W. P. Panel, No. 20 | 984 sq. ft. |
| 1555 | | | |
| 1510 | Ditto | | |
| 45 | | Y. P. Panel, No. 20 | 765 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1510 | | |
| 1478 | Ditto | |
| 32 | | C. Panel, No. 20 1076 sq. ft. |

## NO. 11, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1953 | Wt. of ¼ gal. paint as received. | |
| 1641½ | " " reduced paint before use. | |
| 1599½ | " " " " after use. | |
| 42 | " " paint applied to | W. P. Panel, No. 21 822 sq. ft. |
| 1599½ | | |
| 1563 | Ditto | |
| 36½ | | Y. P. Panel, No. 21 946 sq. ft. |
| 1563 | | |
| 1527 | Ditto | |
| 36 | | C. Panel, No. 21 959 sq. ft. |
| 1527 | | |
| 1489 | Ditto | |
| 38 | | W. P. Panel, No. 22 908 sq. ft. |
| 1489 | | |
| 1442½ | Ditto | |
| 47½ | | Y. P. Panel, No. 22 726 sq. ft. |
| 1442½ | | |
| 1411½ | Ditto | |
| 31 | | C. Panel, No. 22 1113 sq. ft. |

## NO. 12, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1835 | Wt. of ¼ gal. paint as received. | |
| 1477½ | " " reduced paint before use. | |
| 1439½ | " " " " after use. | |
| 38 | " " paint applied to | W. P. Panel, No. 23 862 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1439½ | | |
| 1401½ | Ditto | |
| 38 | | Y. P. Panel, No. 23 862 sq. ft. |
| 1401½ | | |
| 1364 | Ditto | |
| 36½ | | C. Panel, No. 23 897 sq. ft. |
| 1364 | | |
| 1327 | Ditto | |
| 37 | | W. P. Panel, No. 24 885 sq. ft. |
| 1327 | | |
| 1290 | Ditto | |
| 37 | | Y. P. Panel, No. 24 885 sq. ft. |
| 1290 | | |
| 1258½ | Ditto | |
| 32½ | | C. Panel, No. 24 1008 sq. ft. |

## NO. 13, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1916 | Wt. of ¼ gal. paint as received. | |
| 1649 | " " reduced paint before use. | |
| 1611 | " " " " after use. | |
| 38 | " " paint applied to | W. P. Panel, No. 25 916 sq. ft. |
| 1611 | | |
| 1577 | Ditto | |
| 34 | | Y. P. Panel, No. 25 1023 sq. ft. |
| 1577 | | |
| 1544½ | Ditto | |
| 33½ | | C. Panel, No. 25 1039 sq. ft. |
| 1544½ | | |
| 1509½ | Ditto | |
| 35 | | W. P. Panel, No. 26 994 sq. ft. |
| 1509½ | | |
| 1468½ | Ditto | |
| 41 | | Y. P. Panel, No. 26 848 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1468½ | | |
| 1436½ | Ditto | |
| 32 | | C. Panel, No. 26 1087 sq. ft. |

## NO. 14, WHITE PAINT

### 1st Coat.

| | | |
|---|---|---|
| 1766 | Wt. of ¼ gal. paint as received. | |
| 1488 | " " reduced paint before use. | |
| 1432 | " " " " after use. | |
| 56 | " " paint applied to | W. P. Panel, No. 27 564 sq. ft. |
| 1432 | | |
| 1392 | Ditto | |
| 40 | | Y. P. Panel, No. 27 790 sq. ft. |
| 1392 | | |
| 1361½ | Ditto | |
| 31½ | | C. Panel, No. 27 1003 sq. ft. |
| 1361½ | | |
| 1320 | Ditto | |
| 40½ | | W. P. Panel, No. 28 780 sq. ft. |
| 1320 | | |
| 1282 | Ditto | |
| 38 | | Y. P. Panel, No. 28 818 sq. ft. |
| 1282 | | |
| 1252 | Ditto | |
| 30 | | C. Panel, No. 28 1036 sq. ft. |

## NO. 15, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1971 | Wt. of ¼ gal. paint as received. | |
| 1723 | " " reduced paint before use. | |
| 1684 | " " " " after use. | |
| 39 | " " paint applied to | W. P. Panel, No. 29 935 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1684 | | |
| 1648 | Ditto | |
| 36 | | Y. P. Panel, No. 29 1023 sq. ft |
| 1648 | | |
| 1604½ | Ditto | |
| 44½ | | C. Panel, No. 29 819 sq. ft. |
| 1604½ | | |
| 1574 | Ditto | |
| 30½ | | W. P. Panel, No. 30 1198 sq. ft. |
| 1574 | | |
| 1537 | Ditto | |
| 37 | | Y. P. Panel, No. 30 985 sq. ft. |
| 1537 | | |
| 1506 | Ditto | |
| 31 | | C. Panel, No. 30 1176 sq. ft. |

## NO. 16, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2000 | Wt. of ¼ gal. paint as received. | |
| 1641 | " " reduced paint before use. | |
| 1597 | " " " " after use. | |
| 44 | " " paint applied to | W. P. Panel, No. 31 799 sq. ft. |
| 1597 | | |
| 1559 | Ditto | |
| 38 | | Y. P. Panel, No. 31 925 sq. ft. |
| 1559 | | |
| 1521 | Ditto | |
| 38 | | C. Panel, No. 31 925 sq. ft. |
| 1521 | | |
| 1486 | Ditto | |
| 35 | | W. P. Panel, No. 32 1004 sq. ft. |
| 1486 | | |
| 1449 | Ditto | |
| 37 | | Y. P. Panel, No. 32 950 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1449 | | |
| 1412 | Ditto | |
| 37 | C. Panel, No. 32 | 950 sq. ft. |

## NO. 17, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1937 | Wt. of ¼ gal. paint as received. | |
| 1605 | " " reduced paint before use. | |
| 1563½ | " " " " after use. | |
| 42½ | " " paint applied to W. P. Panel, No. 33 | 806 sq. ft. |
| 1563½ | | |
| 1526 | Ditto | |
| 36½ | Y. P. Panel, No. 33 | 939 sq. ft. |
| 1526 | | |
| 1488 | Ditto | |
| 38 | C. Panel, No. 33 | 902 sq. ft. |
| 1488 | | |
| 1454 | Ditto | |
| 34 | W. P. Panel, No. 34 | 1008 sq. ft. |
| 1454 | | |
| 1413 | Ditto | |
| 41 | Y. P. Panel, No. 34 | 936 sq. ft. |
| 1413 | | |
| 1374 | Ditto | |
| 39 | C. Panel, No. 34 | 878 sq. ft. |

## NO. 18, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2193 | Wt. of ¼ gal. of paint as received. | |
| 1750 | " " reduced paint before use. | |
| 1702 | " " " " after use. | |
| 48 | " " paint applied to W. P. Panel, No. 145 | 788 sq. ft. |

| Grammes. | | Spreading Rate |
|---|---|---|
| 1702 | | |
| 1644 | Ditto | |
| 58 | Y. P. Panel, No. 145 | 653 sq. ft. |
| 1644 | | |
| 1594 | Ditto | |
| 50 | C. Panel, No. 145 | 757 sq. ft. |
| 1594 | | |
| 1543 | Ditto | |
| 51 | W. P. Panel, No. 146 | 742 sq. ft. |
| 1543 | | |
| 1495 | Ditto | |
| 48 | Y. P. Panel, No. 146 | 788 sq. ft. |
| 1495 | | |
| 1442 | Ditto | |
| 53 | C. Panel, No. 146 | 714 sq. ft. |

## NO. 19, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2171 | Wt. of ¼ gal. paint as received. | |
| 1778 | " " reduced paint before use. | |
| 1724 | " " " " after use. | |
| 54 | " " paint applied to W. P. Panel, No. 147 | 700 sq. ft. |
| 1724 | | |
| 1666 | Ditto | |
| 58 | Y. P. Panel, No. 147 | 652 sq. ft. |
| 1666 | | |
| 1616 | Ditto | |
| 50 | C, Panel, No. 147 | 757 sq. ft. |
| 1616 | | |
| 1560 | Ditto | |
| 56 | W. P. Panel, No. 148 | 676 sq. ft. |
| 1560 | | |
| 1498 | Ditto | |
| 62 | Y. P. Panel, No. 148 | 610 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1498 | | |
| 1454 | Ditto | |
| 44 | C. Panel, No. 148 | 860 sq. ft. |

## NO. 20, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2035 | Wt. of ¼ gal. paint as received. | |
| 1739 | " " reduced paint before use. | |
| 1693 | " " " " after use. | |
| 46 | " " paint applied to W. P. Panel, No. 149 | 776 sq. ft. |
| 1693 | | |
| 1643 | Ditto | |
| 50 | Y. P. Panel, No. 149 | 714 sq. ft. |
| 1643 | | |
| 1594 | Ditto | |
| 49 | C. Panel, No. 149 | 729 sq. ft |
| 1594 | | |
| 1547 | Ditto | |
| 47 | W. P. Panel, No. 150 | 738 sq. ft. |
| 1547 | | |
| 1498 | Ditto | |
| 49 | Y. P. Panel, No. 150 | 729 sq. ft. |
| 1498 | | |
| 1351 | Ditto | |
| 41 | C. Panel, No. 150 | 871 sq. ft. |

## No. 21, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1700 | Wt. of ¼ gal. paint as received. | |
| 1512 | " " reduced paint before use. | |
| 1465 | " " " " after use. | |
| 47 | " " paint applied to W. P. Panel, No. 151 | 608 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1465 | | |
| 1418 | Ditto | |
| 47 | Y. P. Panel, No. 151 | 608 sq. ft. |
| 1418 | | |
| 1385 | Ditto | |
| 33 | C. Panel, No. 151 | 466 sq. ft. |
| 1385 | | |
| 1346 | Ditto | |
| 39 | W. P. Panel, No. 152 | 733 sq. ft. |
| 1346 | | |
| 1310 | Ditto | |
| 36 | Y. P. Panel, No. 152 | 793 sq. ft. |
| 1310 | | |
| 1275 | Ditto | |
| 35 | C. Panel, No. 152 | 816 sq. ft. |

## No. 22, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1827 | Wt. of ¼ gal. paint as received. | |
| 1583 | " " reduced paint before use. | |
| 1540 | " " " " after use. | |
| 43 | " " paint applied to W. P. Panel, No. 153 | 717 sq. ft. |
| 1540 | | |
| 1490 | Ditto | |
| 50 | Y. P. Panel, No. 153 | 617 sq. ft. |
| 1490 | | |
| 1456 | Ditto | |
| 34 | C. Panel, No. 153 | 1054 sq. ft. |
| 1456 | | |
| 1413 | Ditto | |
| 43 | W. P. Panel, No. 154 | 717 sq. ft. |
| 1413 | | |
| 1367 | Ditto | |
| 46 | Y. P. Panel, No. 154 | 669 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1367 | | |
| 1321 | Ditto | |
| 46 | C. Panel, No. 154 | 669 sq. ft. |

## No. 23, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1716 | Wt. of ¼ gal, paint as received. | |
| 1557 | " " reduced paint before use. | |
| 1510 | " " " " after use. | |
| 46 | " " paint applied to W. P. Panel, No. 155 | 669 sq. ft. |
| 1510 | | |
| 1473 | Ditto | |
| 37 | Y. P. Panel, No. 155 | 831 sq. ft. |
| 1473 | | |
| 1436 | Ditto | |
| 37 | C. Panel, No. 155 | 831 sq. ft. |
| 1436 | | |
| 1390 | Ditto | |
| 46 | W. P. Panel, No. 156 | 669 sq. ft. |
| 1390 | | |
| 1354 | Ditto | |
| 36 | Y. P. Panel, No. 156 | 854 sq. ft. |
| 1354 | | |
| 1313 | Ditto | |
| 41 | C. Panel, No. 156 | 750 sq. ft. |

## No. 24, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1776 | Wt. of ¼ gal, paint as received. | |
| 1660 | " " reduced paint before use. | |
| 1614 | " " " " after use. | |
| 46 | " " paint applied to W. P. Panel, No. 157 | 685 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1614 | | |
| 1573 | Ditto | |
| 41 | Y. P. Panel, No. 157 | 769 sq. ft. |
| 1573 | | |
| 1540 | Ditto | |
| 33 | C. Panel, No. 157 | 956 sq. ft. |
| 1540 | | |
| 1494 | Ditto | |
| 46 | W. P. Panel, No. 178 | 685 sq. ft. |
| 1494 | | |
| 1445 | Ditto | |
| 49 | Y. P. Panel, No. 178 | 644 sq. ft. |
| 1445 | | |
| 1415 | Ditto | |
| 30 | C. Panel, No. 178 | 1051 sq. ft. |

## No. 25, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1730 | Wt. of ¼ gal. paint as received. | |
| 1570 | " " reduced paint before use. | |
| 1523 | " " " " after use. | |
| 47 | " " paint applied to W. P. Panel, No. 159 | 659 sq. ft. |
| 1523 | | |
| 1477 | Ditto | |
| 46 | Y. P. Panel, No. 159 | 673 sq. ft. |
| 1477 | | |
| 1442 | Ditto | |
| 35 | C. Panel, No. 159 | 886 sq. ft. |
| 1442 | | |
| 1392 | Ditto | |
| 50 | W. P. Panel, No. 160 | 619 sq. ft. |
| 1392 | | |
| 1352 | Ditto | |
| 40 | Y. P. Panel, No. 160 | 775 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1352 | | |
| 1305 | Ditto | |
| 47 | C. Panel, No. 160 | 659 sq. ft. |

## No. 26, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1792 | Wt. of ¼ gal. paint as received. | |
| 1592 | " " reduced paint before use. | |
| 1551 | " " " " after use. | |
| 40 | " " paint applied to W. P. Panel, No. 161 | 798 sq. ft. |
| 1551 | | |
| 1514 | Ditto | |
| 37 | Y. P. Panel, No. 161 | 861 sq. ft. |
| 1514 | | |
| 1476 | Ditto | |
| 38 | C. Panel, No. 161 | 841 sq. ft. |
| 1476 | | |
| 1436 | Ditto | |
| 40 | W. P. Panel, No. 162 | 798 sq. ft. |
| 1436 | | |
| 1390 | Ditto | |
| 46 | Y. P. Panel, No. 162 | 694 sq. ft. |
| 1390 | | |
| 1352 | Ditto | |
| 38 | C. Panel, No. 162 | 841 sq. ft. |

## No. 27, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1760 | Wt. of ¼ gal. paint as received. | |
| 1634 | " " reduced paint before use. | |
| 1583 | " " " " after use. | |
| 51 | " " paint applied to W. P. Panel, No. 163 | 617 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1583 | | | |
| 1536 | Ditto | | |
| 87 | | Y. P. Panel, No. 163 | 669 sq. ft. |
| 1536 | | | |
| 1497 | Ditto | | |
| 39 | | C. Panel, No. 163 | 806 sq. ft. |
| 1499 | | | |
| 1460 | Ditto | | |
| 39 | | W. P. Panel, No. 164 | 806 sq. ft. |
| 1460 | | | |
| 1416 | Ditto | | |
| 44 | | Y. P. Panel, No. 164 | 715 sq. ft. |
| 1416 | | | |
| 1376 | Ditto | | |
| 40 | | C. Panel, No. 164 | 786 sq. ft. |

## No. 29, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1784 | Wt. of ¼ gal. paint as received. | |
| 1656 | " " reduced paint before use. | |
| 1613 | " " " " after use. | |
| 43 | " " paint applied to | W. P. Panel, No. 123 |
| 1613 | | |
| 1579 | Ditto | |
| 34 | | Y. P. Panel, No. 123 |
| 1579 | | |
| 1531 | Ditto | |
| 48 | | C. Panel, No. 123 |

## No. 30, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1884 | Wt. of ¼ gal. paint as received. | |
| 1629 | " " reduced paint before use. | |
| 1582 | " " " " after use. | |
| 47 | " " paint applied to | W. P. Panel, No. 179 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1582 | | |
| 1535 | Ditto | |
| 47 | | Y. P. Panel, No. 179 |
| 1535 | | |
| 1493 | Ditto | |
| 42 | | C. Panel, No. 179 |

## No. 31, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2497 | Wt. of ¼gal. paint as received. | |
| 1890 | " " reduced paint before use. | |
| 1833 | " " " " after use. | |
| 57 | " " paint applied to | W. P. Panel, No. 184 |
| 1833 | | |
| 1759 | Ditto | |
| 74 | | Y. P. Panel, No. 184 |
| 1759 | | |
| 1704 | Ditto | |
| 55 | | C. Panel, No. 184 |

## No. 32, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2384 | Wt. of ¼ gal. paint as received. | |
| 1862 | " " reduced paint before use. | |
| 1806 | " " " " after use. | |
| 56 | " " paint applied to | W. P. Panel, No. 185 |
| 1806 | | |
| 1749 | Ditto | |
| 57 | | Y. P. Panel, No. 185 |
| 1749 | | |
| 1402 | Ditto | |
| 47 | | C. Panel, No. 185 |

## No. 33, WHITE PAINT.

### 1st Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1883 | Wt. of ¼ gal. paint as received. | | |
| 1682 | " " reduced paint before use. | | |
| 1620 | " " " " after use. | | |
| 62 | " " paint applied to | W. P. Panel, No. 176 | 512 sq. ft. |
| 1620 | | | |
| 1565 | Ditto | | |
| 55 | | Y. P. Panel, No. 176 | 556 sq. ft. |
| 1565 | | | |
| 1517 | Ditto | | |
| 48 | | C. Panel, No. 176 | 622 sq. ft. |

## No. 34, WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1015 | Wt. of paint before use. | | |
| 965 | " " " after use. | | |
| 50 | " " " applied to | W. P. Panel, No. 175 | 523 sq. ft. |
| 965 | | | |
| 918 | Ditto | | |
| 47 | | Y. P. Panel, No. 175 | |
| 918 | | | |
| 874 | Ditto | | |
| 44 | | C. Panel, No. 175 | |

## No. 35, WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 992 | Wt. of paint before use. | | |
| 934 | " " " after use. | | |
| 58 | " " " applied to | W. P. Panel, No. 180 | 450 sq. ft. |
| 934 | | | |
| 885 | Ditto | | |
| 49 | | Y. P. Panel, No. 180 | |

| Grammes. | | | | | | Spreading Rate. |
|---|---|---|---|---|---|---|
| 885 | | | | | | |
| 840 | | | Ditto | | | |
| 45 | | | | | C. Panel, No. 180 | |

## No. 36, BASIC CARBONATE-WHITE LEAD.

### 1st Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 1087 | Wt. of paint before use. | | | | | |
| 1024 | " | " | " | after use. | | |
| 63 | " | " | " | applied to | W. P. Panel, No. 181 | 408 sq. ft. |
| 1024 | | | | | | |
| 956 | | | Ditto | | | |
| 68 | | | | | Y. P. Panel, No. 181 | |
| 956 | | | | | | |
| 911 | | | Ditto | | | |
| 45 | | | | | C. Panel, No. 181 | |

## No. 37, BASIC CARBONATE-WHITE LEAD.

### 1st Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 1087 | Wt. of paint before use. | | | | | |
| 1034 | " | " | " | after use. | | |
| 53 | " | " | " | applied to | W. P. Panel, No. 182 | 524 sq. ft. |
| 1034 | | | | | | |
| 982 | | | Ditto | | | |
| 52 | | | | | Y. P. Panel, No. 182 | |
| 982 | | | | | | |
| 939 | | | Ditto | | | |
| 43 | | | | | C. Panel, No. 182 | |

## No. 38, BASIC CARBONATE-WHITE LEAD.

### 1st Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 1084 | Wt. of paint before use. | | | | | |
| 1034 | " | " | " | after use. | | |
| 50 | " | " | " | applied to | W. P. Panel, No. 177 | 555 sq ft |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1034 | | | | | |
| 984 | | Ditto | | | |
| 50 | | | | Y. P. Panel, No. 177 | |
| 984 | | | | | |
| 936 | | Ditto | | | |
| 48 | | | | C. Panel, No. 177 | |

**No. 39, S. Z. L.**

**1st Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1047 | Wt. of paint before use. | | | | |
| 998 | " " " after use. | | | | |
| 49 | " " " | applied to | W. P. Panel, No. 178 | | 550 sq. ft. |
| 998 | | | | | |
| 951 | | Ditto | | | |
| 47 | | | Y. P. Panel, No. 178 | | |
| 951 | | | | | |
| 907 | | Ditto | | | |
| 44 | | | C. Panel, No. 178 | | |

**No. 40, SUB.**

**1st Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 984 | Wt. of paint before use. | | | | |
| 942 | " " " after use. | | | | |
| 42 | " " " | applied to | W. P. Panel, No. 168 | | 643 sq. ft. |
| 942 | | | | | |
| 899 | | Ditto | | | |
| 43 | | | Y. P. Panel, No. 168 | | |
| 899 | | | | | |
| 867 | | Ditto | | | |
| 32 | | | C. Panel, No. 168 | | |

## NO. 41, WHITE PAINT.

### 1st Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1957 | Wt. of ¼ gal. paint as received. | |
| 1594 | " " reduced paint before use. | |
| 1553 | " " " " after use. | |
| 41 | " " paint applied to W. P. Panel, No. 173 | |
| 1553 | | |
| 1502 | Ditto | |
| 51 | Y. P. Panel, No. 173 | |
| 1502 | | |
| 1462 | Ditto | |
| 40 | C. Panel, No. 173 | |
| 1462 | | |
| 1420 | Ditto | |
| 42 | W. P. Panel, No. 163 | |
| 1420 | | |
| 1380 | Ditto | |
| 40 | Y. P. Panel, No. 183 | |
| 1380 | | |
| 1342 | Ditto | |
| 38 | C. Panel, No. 183 | |

## NO. 45, WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1789 | Wt. of ¼ gal. paint as received. | |
| 1541 | " " reduced paint before use. | |
| 1504 | " " " " after use. | |
| 37 | " " paint applied to W. P. Panel, No. 170 | 850 sq. ft. |
| 1504 | | |
| 1464 | Ditto | |
| 40 | Y. P. Panel, No. 170 | |
| 1464 | | |
| 1431 | Ditto | |
| 33 | C. Panel, No. 170 | |

## NO. 46, WHITE PAINT.

### 1st Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1895 | Wt. of ¼ gal. paint as received. | | |
| 1658 | " " reduced paint before use. | | |
| 1613 | " " " " after use. | | |
| 45 | " " paint applied to | W. P. Panel, No. 169 | 783 sq. ft. |
| 1613 | | | |
| 1566 | Ditto | | |
| 47 | | Y. P. Panel, No. 169 | |
| 1566 | | | |
| 1527 | Ditto | | |
| 39 | | C. Panel, No. 169 | |

## NO. 47, WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 2057 | Wt. of ¼ gal. paint as received | | |
| 1757 | " " reduced paint before use. | | |
| 1709 | " " " " after use. | | |
| 48 | " " paint applied to | W. P. Panel, No. 72 | 730 sq. ft. |
| 1709 | | | |
| 1646 | Ditto | | |
| 63 | | Y. P. Panel, No. 172 | |
| 1646 | | | |
| 1610 | Ditto | | |
| 36 | | C. Panel, No. 172 | |

White Paint
Second Coat

## NO. 1, WHITE PAINT.

### 2nd Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1497 | Wt. of paint before use. | | | | |
| 1465 | " | " | " | after use. | |
| 32 | " | " | " | applied to W. P. Panel, No. 1 | 987 sq. ft. |
| 1465 | | | | | |
| 1431 | | | Ditto | | |
| 34 | | | | Y. P. Panel, No. 1 | 930 sq. ft. |
| 1431 | | | | | |
| 1393 | | | Ditto | | |
| 38 | | | | C. Panel, No. 1 | 831 sq. ft. |
| 1393 | | | | | |
| 1359 | | | Ditto | | |
| 34 | | | | W. P. Panel, No. 2 | 930 sq. ft. |
| 1359 | | | | | |
| 1322 | | | Ditto | | |
| 37 | | | | Y. P. Panel, No. 2 | 854 sq. ft. |
| 1322 | | | | | |
| 1286 | | | Ditto | | |
| 36 | | | | C. Panel, No. 2 | 878 sq. ft. |

## NO. 2, WHITE PAINT.

### 2nd Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1351 | Wt. of paint before use. | | | | |
| 1320 | " | " | " | after use. | |
| 31 | " | " | " | applied to W. P. Panel, No. 3 | 1066 sq. ft. |
| 1320 | | | | | |
| 1286 | | | Ditto | | |
| 34 | | | | Y. P. Panel, No. 3 | 999 sq. ft. |
| 1286 | | | | | |
| 1256 | | | Ditto | | |
| 30 | | | | C. Panel, No. 3 | 1132 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1256 | | |
| 1223 | Ditto | |
| 33 | | W. P. Panel, No. 4 1020 sq. ft. |
| 1223 | | |
| 1191 | Ditto | |
| 32 | | Y. P. Panel, No. 4 1052 sq. ft. |
| 1191 | | |
| 1160 | Ditto | |
| 31 | | C. Panel, No. 4 1085 sq. ft. |

## NO. 3, WHITE PAINT.

### 2nd Coat.

| | | |
|---|---|---|
| 1607 | Wt. of paint before use. | |
| 1564 | " " " after use. | |
| 43 | " " " applied to | W. P. Panel, No. 5 914 sq. ft. |
| 1564 | | |
| 1523 | Ditto | |
| 41 | | Y. P. Panel, No. 5 959 sq. ft. |
| 1523 | | |
| 1485 | Ditto | |
| 38 | | C. Panel, No. 5 1033 sq. ft. |
| 1485 | | |
| 1445 | Ditto | |
| 40 | | W. P. Panel, No. 6 982 sq. ft. |
| 1445 | | |
| 1404 | Ditto | |
| 41 | | Y. P. Panel, No. 6 959 sq. ft. |
| 1404 | | |
| 1367 | Ditto | |
| 37 | | C. Panel, No. 6 1062 sq. ft. |

## NO. 4, WHITE PAINT.

### 2nd Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1515 | Wt. of paint before use. | | | | |
| 1474 | " | " | " | after use. | |
| 41 | " | " | " | applied to | W. P. Panel, No. 7 939 sq. ft. |
| 1474 | | | | | |
| 1441 | | | Ditto | | |
| 33 | | | | | Y. P. Panel, No. 7 1166 sq. ft. |
| 1441 | | | | | |
| 1408 | | | Ditto | | |
| 33 | | | | | C. Panel, No. 7 1166 sq. ft. |
| 1408 | | | | | |
| 1373 | | | Ditto | | |
| 35 | | | | | W. P. Panel, No. 8 1100 sq. ft. |
| 1373 | | | | | |
| 1334 | | | Ditto | | |
| 39 | | | | | Y. P. Panel, No. 8 987 sq. ft. |
| 1334 | | | | | |
| 1295 | | | Ditto | | |
| 39 | | | | | C. Panel, No. 8 987 sq. ft. |

## NO. 5, WHITE PAINT .

### 2nd Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1309 | Wt. of paint before use. | | | | |
| 1279 | " | " | " | after use. | |
| 30 | " | " | " | applied to | W. P. Panel, No. 9 1000 sq. ft. |
| 1279 | | | | | |
| 1248 | | | Ditto | | |
| 31 | | | | | Y. P. Panel, No. 9 968 sq. ft. |
| 1248 | | | | | |
| 1214 | | | Ditto | | |
| 34 | | | | | C. Panel, No. 9 882 sq. ft. |
| 1214 | | | | | |
| 1184 | | | Ditto | | |
| 30 | | | | | W. P. Panel, No. 10 1000 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1184 | | | | | |
| 1153 | | | Ditto | | |
| 31 | | | | Y. P. Panel, No. 10 | 968 sq. ft. |
| 1153 | | | | | |
| 1125 | | | Ditto | | |
| 28 | | | | C. Panel, No. 10 | 1072 sq. ft. |

## NO. 6, WHITE PAINT.

### 2nd Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1339 | Wt. of paint before use. | | | | |
| 1310 | " | " | " after use. | | |
| 29 | " | " | " applied to | W. P. Panel, No. 11 | 1189 sq. ft. |
| 1310 | | | | | |
| 1283 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 11 | 1271 sq. ft. |
| 1283 | | | | | |
| 1253 | | | Ditto | | |
| 30 | | | | C. Panel, No. 11 | 1149 sq. ft. |
| 1253 | | | | | |
| 1221 | | | Ditto | | |
| 32 | | | | W. P. Panel, No. 12 | 1077 sq. ft. |
| 1221 | | | | | |
| 1188 | | | Ditto | | |
| 33 | | | | Y. P. Panel, No. 12 | 1045 sq. ft. |
| 1188 | | | | | |
| 1159 | | | Ditto | | |
| 29 | | | | C. Panel, No. 12 | 1189 sq. ft. |

## No. 7, WHITE PAINT.

### 2nd Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1495½ | Wt. of paint before use. | | | | |
| 1459 | " | " | " after use. | | |
| 36½ | " | " | " applied to | W. P. Panel, No. 13 | 972 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1459 | | | |
| 1421 | Ditto | | |
| 38 | | Y. P. Panel, No. 13 | 934 sq. ft. |
| 1421 | | | |
| 1385 | Ditto | | |
| 36 | | C. Panel, No. 13 | 986 sq. ft. |
| 1385 | | | |
| 1349 | Ditto | | |
| 36 | | W. P. Panel, No. 14 | 986 sq. ft. |
| 1349 | | | |
| 1316 | Ditto | | |
| 33 | | Y. P. Panel, No. 14 | 1076 sq. ft. |
| 1316 | | | |
| 1284 | Ditto | | |
| 32 | | C. Panel, No. 14 | 1109 sq. ft. |

## No. 8, WHITE PAINT.

### 2nd Coat.

| | | | |
|---|---|---|---|
| 1492 | Wt. of paint before use. | | |
| 1456 | " " " after use. | | |
| 36 | " " " applied to | W. P. Panel, No. 15 | 910 sq. ft. |
| 1456 | | | |
| 1421 | Ditto | | |
| 35 | | Y. P. Panel, No. 15 | 936 sq. ft. |
| 1421 | | | |
| 1390 | Ditto | | |
| 31 | | C. Panel, No. 15 | 1057 sq. ft. |
| 1390 | | | |
| 1355 | Ditto | | |
| 35 | | W. P. Panel, No. 16 | 936 sq. ft. |
| 1355 | | | |
| 1320 | Ditto | | |
| 35 | | Y. P. Panel, No. 16 | 936 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1320 | | | | | |
| 1287 | | | Ditto | | |
| 33 | | | | C. Panel, No. 16 | 993 sq. ft. |

## No. 9, WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1170 | Wt. of paint before use. | | | | |
| 1146 | " | " | " | after use. | |
| 24 | " | " | " | applied to | W. P. Panel, No. 17 1081 sq. ft. |
| 1146 | | | | | |
| 1118 | | | Ditto | | |
| 28 | | | | | Y. P. Panel, No. 17 926 sq. ft. |
| 1118 | | | | | |
| 1094 | | | Ditto | | |
| 24 | | | | | C. Panel, No. 17 1081 sq. ft. |
| 1094 | | | | | |
| 1064 | | | Ditto | | |
| 30 | | | | | W. P. Panel, No. 18 864 sq. ft. |
| 1064 | | | | | |
| 1039 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 18 1037 sq. ft. |
| 1039 | | | | | |
| 1014 | | | Ditto | | |
| 25 | | | | | C. Panel, No. 18 1037 sq. ft. |

## No. 10, WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1359 | Wt. of paint before use. | | | | |
| 1326 | " | " | " | after use. | |
| 33 | " | " | " | applied to | W. P. Panel, No. 19 1014 sq. ft. |
| 1326 | | | | | |
| 1291 | | | Ditto | | |
| 35 | | | | | Y. P. Panel, No. 19 955 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1291 | | | |
| 1261 | Ditto | | |
| 30 | | C. Panel, No. 19 | 1114 sq. ft. |
| 1261 | | | |
| 1230 | Ditto | | |
| 31 | | W. P. Panel, No. 20 | 1079 sq. ft. |
| 1230 | | | |
| 1193 | Ditto | | |
| 37 | | Y. P. Panel, No. 20 | 904 sq. ft. |
| 1193 | | | |
| 1161 | Ditto | | |
| 32 | | C. Panel, No. 20 | 1045 sq. ft. |

## No.11, WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1408 | Wt. of paint before use. | | |
| 1373 | " " " after use. | | |
| 35 | " " " applied to | W. P. Panel, No. 21 | 959 sq. ft. |
| 1373 | | | |
| 1342 | Ditto | | |
| 31 | | Y. P. Panel, No. 21 | 1083 sq. ft. |
| 1342 | | | |
| 1310 | Ditto | | |
| 32 | | C. Panel, No. 21 | 1049 sq. ft. |
| 1310 | | | |
| 1278 | Ditto | | |
| 32 | | W. P. Panel, No. 22 | 1049 sq. ft. |
| 1278 | | | |
| 1243 | Ditto | | |
| 35 | | Y. P. Panel, No. 22 | 959 sq. ft. |
| 1243 | | | |
| 1209 | Ditto | | |
| 34 | | C. Panel, No. 22 | 988 sq. ft. |

## No. 12, WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1376 | Wt. of paint before use. | | | | |
| 1343 | " | " | " | after use. | |
| 33 | " | " | " | applied to | W. P. Panel, N. 23 965 sq. ft. |
| 1343 | | | | | |
| 1312 | | | Ditto | | |
| 31 | | | | | Y. P. Panel, No. 23 1027 sq. ft. |
| 1312 | | | | | |
| 1282 | | | Ditto | | |
| 30 | | | | | C. Panel, No. 23 1061 sq. ft. |
| 1282 | | | | | |
| 1249 | | | Ditto | | |
| 33 | | | | | W. P. Panel, No. 24 965 sq. ft. |
| 1249 | | | | | |
| 1219 | | | Ditto | | |
| 30 | | | | | Y. P. Panel, No. 24 1061 sq. ft. |
| 1219 | | | | | |
| 1190 | | | Ditto | | |
| 29 | | | | | C. Panel, No. 24 1098 sq. ft. |

## No. 13, WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1358 | Wt. of paint before use. | | | | |
| 1326 | " | " | " | after use. | |
| 32 | " | " | " | applied to | W. P. Panel, No. 25 1031 sq. ft. |
| 1326 | | | | | |
| 1294 | | | Ditto | | |
| 32 | | | | | Y. P. Panel, No. 25, 1031 sq. ft. |
| 1294 | | | | | |
| 1265 | | | Ditto | | |
| 29 | | | | | C. Panel, No. 25 846 sq. ft. |
| 1265 | | | | | |
| 1230 | | | Ditto | | |
| 35 | | | | | W. P. Panel, No. 26 942 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1230 | | | | |
| 1196 | | Ditto | | |
| 34 | | | Y. P. Panel, No. 26 | 970 sq. ft. |
| 1196 | | | | |
| 1165 | | Ditto | | |
| 31 | | | C. Panel, No. 26 | 1064 sq. ft. |

## No. 14, WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1361 | Wt. of paint before use. | | | |
| 1324 | " " " after use. | | | |
| 37 | " " " applied to | | W. P. Panel, No. 27 | 806 sq. ft. |
| 1324 | | | | |
| 1292 | | Ditto | | |
| 32 | | | Y. P. Panel, No. 27 | 932 sq. ft. |
| 1292 | | | | |
| 1263 | | Ditto | | |
| 29 | | | C. Panel, No. 27 | 1029 sq. ft. |
| 1263 | | | | |
| 1228 | | Ditto | | |
| 35 | | | W. P. Panel, No. 28 | 852 sq. ft. |
| 1228 | | | | |
| 1195 | | Ditto | | |
| 33 | | | Y. P. Panel, No. 28 | 904 sq. ft. |
| 1195 | | | | |
| 1165 | | Ditto | | |
| 30 | | | C. Panel, No. 28 | 994 sq. ft. |

## No. 15, WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1480 | Wt. of paint before use. | | | |
| 1446 | " " " after use. | | | |
| 34 | " " " applied to | | W. P. Panel, No. 29 | 1044 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1446 | | |
| 1418 | Ditto | |
| 26 | | Y. P. Panel, No. 29 1373 sq. ft. |
| 1418 | | |
| 1387 | Ditto | |
| 31 | | C. Panel, No. 29 1146 sq. ft. |
| 1387 | | |
| 1357 | Ditto | |
| 30 | | W. P. Panel, No. 30 1184 sq. ft. |
| 1357 | | |
| 1326 | Ditto | |
| 31 | | Y. P. Panel, No. 30 1146 sq. ft. |
| 1326 | | |
| 1296 | Ditto | |
| 30 | | C. Panel, No. 30 1184 sq. ft. |

## No. 16, WHITE PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1397 | Wt. of paint before use. | |
| 1359 | " " " after use. | |
| 38 | " " " applied to | W. P. Panel, No. 31 903 sq. ft. |
| 1359 | | |
| 1326 | Ditto | |
| 33 | | Y. P. Panel, No. 31 1040 sq. ft. |
| 1326 | | |
| 1296 | Ditto | |
| 30 | | C. Panel, No. 31 1144 sq. ft. |
| 1296 | | |
| 1263 | Ditto | |
| 33 | | W. P. Panel, No. 32 1040 sq. ft. |
| 1263 | | |
| 1234 | Ditto | |
| 29 | | No. 32 1184 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1234 | | | |
| 1203 | Ditto | | |
| 31 | | | No. 32 1107 sq. ft. |

## No. 17, WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1357 | Wt. of paint before use. | | |
| 1325 | " " " after use. | | |
| 32 | " " " applied to | W. P. Panel, No. 33 | 1016 sq. ft. |
| 1325 | | | |
| 1295 | Ditto | | |
| 30 | | Y. P. Panel, No. 33 | 1083 sq. ft. |
| 1295 | | | |
| 1265 | Ditto | | |
| 30 | | C. Panel, No. 33 | 1083 sq. ft. |
| 1265 | | | |
| 1237 | Ditto | | |
| 28 | | W. P. Panel, No. 34 | 1160 sq. ft. |
| 1237 | | | |
| 1164 | Ditto | | |
| 53 | | Y. P. Panel, No. 34 | 613 sq. ft. |
| 1184 | | | |
| 1150 | Ditto | | |
| 34 | | C. Panel. No. 34 | 926 sq. ft. |

## No. 18, WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1537 | Wt. of paint before use. | | |
| 1508 | " " " after use. | | |
| 29 | " " " applied to | W. P. Panel, No. 145 | 1257 sq. ft. |
| 1508 | | | |
| 1479 | Ditto | | |
| 29 | | Y. P. Panel, No. 145 | 1257 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1479 | | |
| 1445 | Ditto | |
| 34 | | C. Panel, No. 145 1072 sq. ft. |
| 1445 | | |
| 1413 | Ditto | |
| 32 | | W. P. Panel, No. 146 1140 sq. ft. |
| 1413 | | |
| 1380 | Ditto | |
| 33 | | Y. P. Panel, No. 146 1104 sq. ft. |
| 1380 | | |
| 1343 | Ditto | |
| 37 | | C. Panel, No. 146 985 sq. ft. |

## No. 19, WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1507 | Wt. of paint before use. | | |
| 1477 | " " " after use. | | |
| 30 | " " " applied to | W. P. Panel, No. 147 | 1183 sq. ft. |
| 1477 | | | |
| 1445 | Ditto | | |
| 32 | | Y. P. Panel, No. 147 | 1109 sq. ft. |
| 1445 | | | |
| 1412 | Ditto | | |
| 33 | | C. Panel, No. 148 | 1075 sq. ft. |
| 1412 | | | |
| 1379 | Ditto | | |
| 33 | | W. P. Panel, No. 148 | 1075 sq. ft. |
| 1377 | | | |
| 1341 | Ditto | | |
| 36 | | Y. P. Panel, No. 148 | 986 sq. ft. |
| 1341 | | | |
| 1309 | Ditto | | |
| 32 | | C. Panel, No. 148 | 1112 sq. ft. |

## No. 20, WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1427 | Wt. of paint before use. | | | | |
| 1394 | " | " | " | after use. | |
| 32 | " | " | " | applied to | W. P. Panel, No. 149 1063 sq. ft. |
| 1394 | | | | | |
| 1364 | | | Ditto | | |
| 30 | | | | | Y. P. Panel, No. 149 1134 sq. ft. |
| 1364 | | | | | |
| 1328 | | | Ditto | | |
| 36 | | | | | C. Panel, No. 149 944 sq. ft. |
| 1328 | | | | | |
| 1294 | | | Ditto | | |
| 34 | | | | | W. P. Panel, No. 150 1000 sq. ft. |
| 1294 | | | | | |
| 1264 | | | Ditto | | |
| 30 | | | | | Y. P. Panel, No. 150 1134 sq. ft. |
| 1264 | | | | | |
| 1234 | | | Ditto | | |
| 30 | | | | | C. Panel, No. 150 1134 sq. ft. |

## No. 21, WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1273 | Wt. of paint before use. | | | | |
| 1243 | " | " | " | after use. | |
| 30 | " | " | " | applied to | W. P. Panel, No. 151 932 sq. ft. |
| 1243 | | | | | |
| 1216 | | | Ditto | | |
| 27 | | | | | Y. P. Panel, No. 151 1035 sq. ft. |
| 1216 | | | | | |
| 1191 | | | Ditto | | |
| 25 | | | | | C. Panel, No. 151 1118 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1191 | | | | |
| 1165 | Ditto | | | |
| 26 | | | W. P. Panel, No. 152 | 1075 sq. ft. |
| 1165 | | | | |
| 1141 | Ditto | | | |
| 24 | | | Y. P. Panel, No. 152 | 1164 sq. ft. |
| 1141 | | | | |
| 1115 | Ditto | | | |
| 26 | | | | 1075 sq. ft. |

## No. 22, WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1260 | Wt. of paint before use. | | | | |
| 1229 | " | " | " after use. | | |
| 31 | " | " | " applied to | W. P. Panel, No. 153 | 966 sq. ft. |
| 1229 | | | | | |
| 1197 | Ditto | | | | |
| 32 | | | | Y. P. Panel, No. 153 | 936 sq. ft. |
| 1197 | | | | | |
| 1168 | Ditto | | | | |
| 27 | | | | C. Panel, No. 153 | 1108 sq. ft. |
| 1168 | | | | | |
| 1134 | Ditto | | | | |
| 34 | | | | W. P. Panel, No. 154 | 881 sq. ft. |
| 1134 | | | | | |
| 1103 | Ditto | | | | |
| 31 | | | | Y. P. Panel, No. 154 | 966 sq. ft. |
| 1103 | | | | | |
| 1073 | Ditto | | | | |
| 30 | | | | C. Panel, No. 154 | 998 sq. ft. |

## No. 23, WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1143 | Wt. of paint before use. | | | | |
| 1111 | " | " | " | after use. | |
| 32 | " | " | " | applied to W. P. Panel, No. 155 | 908 sq. ft. |
| 1111 | | | | | |
| 1075 | | | Ditto | | |
| 36 | | | | Y. P. Panel, No. 155 | 807 sq. ft. |
| 1085 | | | | | |
| 1055 | | | Ditto | | |
| 30 | | | | C. Panel, No. 155 | 967 sq. ft. |
| 1055 | | | | | |
| 1026 | | | Ditto | | |
| 29 | | | | W. P. Panel, No. 156 | 1002 sq. ft. |
| 1026 | | | | | |
| 999 | | | Ditto | | |
| 28 | | | | Y. P. Panel, No. 156 | 1037 sq. ft. |
| 999 | | | | | |
| 968 | | | Ditto | | |
| 31 | | | | C. Panel, No. 156 | 937 sq. ft. |

## No. 24. WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1296 | Wt. of paint before use. | | | | |
| 1267 | " | " | " | after use. | |
| 29 | " | " | " | applied to W. P. Panel, No. 157 | 1028 sq. ft. |
| 1267 | | | | | |
| 1238 | | | Ditto | | |
| 29 | | | | Y. P. Panel, No. 157 | 1028 sq. ft. |
| 1238 | | | | | |
| 1209 | | | Ditto | | |
| 29 | | | | C. Panel, No. 157 | 1028 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1209 | | |
| 1175 | Ditto | |
| 34 | | W. P. Panel, No. 158 877 sq. ft. |
| 1175 | | |
| 1140 | Ditto | |
| 35 | | Y. P. Panel, No. 158 852 sq. ft. |
| 1140 | | |
| 1112 | Ditto | |
| 28 | | C. Panel, No. 158 1066 sq. ft. |

## No. 25, WHITE PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1345 | Wt. of paint before use. | |
| 1317 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 159 1046 sq. ft. |
| 1317 | | |
| 1297 | Ditto | |
| 30 | | Y. P. Panel, No. 159 976 sq. ft. |
| 1287 | | |
| 1260 | Ditto | |
| 27 | | C. Panel, No. 159 1084 sq. ft. |
| 1260 | | |
| 1229 | Ditto | |
| 31 | | W. P. Panel, No. 160 944 sq. ft. |
| 1229 | | |
| 1261 | Ditto | |
| 28 | | Y. P. Panel, No. 160 1046 sq. ft. |
| 1201 | | |
| 1175 | Ditto | |
| 26 | | C. Panel, No. 160 1126 sq. ft. |

## No. 26, WHITE PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1375 | Wt. of paint before use. | | | |
| 1345 | " " " after use. | | | |
| 30 | " " " applied to | W. P. Panel, No. 161 | | 1008 sq. ft. |
| 1345 | | | | |
| 1317 | Ditto | | | |
| 28 | | Y. P. Panel, No. 161 | | 1080 sq. ft. |
| 1317 | | | | |
| 1286 | Ditto | | | |
| 31 | | C. Panel, No. 161 | | 976 sq. ft. |
| 1286 | | | | |
| 1257 | Ditto | | | |
| 29 | | W. P. Panel, No. 162 | | 1042 sq. ft. |
| 1257 | | | | |
| 1229 | Ditto | | | |
| 28 | | Y. P. Panel, | | 1080 sq. ft. |
| 1229 | | | | |
| 1202 | Ditto | | | |
| 27 | | C. Panel, No. 162 | | 1120 sq. ft. |

## No. 27, WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1334 | Wt. of paint before use. | | | |
| 1302 | " " " after use. | | | |
| 32 | " " " applied to | W. P. Panel, No. 163 | | 929 sq. ft. |
| 1302 | | | | |
| 1271 | Ditto | | | |
| 31 | | Y. P. Panel, No. 163 | | 959 sq. ft. |
| 1271 | | | | |
| 1241 | Ditto | | | |
| 30 | | C. Panel, No. 163 | | 991 sq. ft. |

| Grammes. | | | | | Spreading Rate |
|---|---|---|---|---|---|
| 1241 | | | | | |
| 1213 | | | Ditto | | |
| 28 | | | | W. P. Panel, No. 164 | 1063 sq. ft. |
| 1213 | | | | | |
| 1186 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 164 | 1102 sq. ft. |
| 1186 | | | | | |
| 1155 | | | Ditto | | |
| 31 | | | | C. Panel, No. 164 | 959 sq. ft. |

**No. 33, SPECIAL.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 2200 | Wt. of paint before use. | | | | |
| 2162 | " | " | " after use. | | |
| 38 | " | " | " applied to | W. P. Panel, No. 176 | 836 sq. ft. |
| 2162 | | | | | |
| 2125 | | | Ditto | | |
| 37 | | | | Y. P. Panel, No. 176 | 859 sq. ft. |
| 2125 | | | | | |
| 2086 | | | Ditto | | |
| 39 | | | | C. Panel, No. 176 | 820 sq.ft. |

**No. 34, SPECIAL.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1265 | Wt. of paint before use. | | | | |
| 1224 | " | " | " after use. | | |
| 41 | " | " | " applied to | W. P. Panel, No. 175 | 800 sq. ft. |
| 1224 | | | | | |
| 1180 | | | Ditto | | |
| 44 | | | | Y. P. Panel, No. 175 | 743 sq. ft. |
| 1180 | | | | | |
| 1138 | | | Ditto | | |
| 42 | | | | C. Panel, No. 175 | 780 sq. ft. |

## No. 35.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2048 | Wt. of paint before use. | | | | |
| 2009 | " " " after use. | | | | |
| 39 | " " " | applied to | W. P. Panel, No. 180 | | 893 sq. ft. |
| 2009 | | | | | |
| 1973 | | Ditto | | | |
| 36 | | | Y. P. Panel, No. 180 | | 962 sq. ft. |
| 1973 | | | | | |
| 1935 | | Ditto | | | |
| 38 | | | C. Panel, No. 180 | | 916 sq. ft. |

## No. 36.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1248 | Wt. of paint before use. | | | | |
| 1202 | " " " after use. | | | | |
| 46 | " " " | applied to | | Panel, No. 181 | 711 sq. ft. |
| 1202 | | | | | |
| 1160 | | Ditto | | | |
| 42 | | | Y. P. Panel, No. 181 | | 780 sq. ft. |
| 1160 | | | | | |
| 1113 | | Ditto | | | |
| 47 | | | C. Panel, No. 181 | | 696 sq. ft. |

## No. 37.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1659 | Wt. of paint before use. | | | | |
| 1624 | " " " after use. | | | | |
| 35 | " " " | applied to | W. P. Panel, No. 182 | | 1065 sq. ft. |
| 1624 | | | | | |
| 1587 | | Ditto | | | |
| 37 | | | Y. Panel, No. 182 | | 1008 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1587 | | | | | |
| 1551 | | Ditto | | | |
| 36 | | | | C. Panel, No. 182 | 1036 sq. ft. |

**No. 38.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1468 | Wt. of paint before use. | | | | |
| 1426 | " " " | after use. | | | |
| 42 | " " " | applied to | W. P. Panel, No. 177 | 888 | sq. ft. |
| 1426 | | | | | |
| 1381 | | Ditto | | | |
| 45 | | | Y. P. Panel, No. 177 | 828 | sq. ft. |
| 1381 | | | | | |
| 1338 | | Ditto | | | |
| 43 | | | C. Panel, No. 177 | 867 | sq. ft. |

**No. 39.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1365 | Wt. of paint before use. | | | | |
| 1328 | " " " | after use. | | | |
| 37 | " " " | applied to | W. P. Panel, No. 178 | 941 | sq. ft. |
| 1328 | | | | | |
| 1289 | | Ditto | | | |
| 39 | | | Y. P. Panel, No. 178 | 893 | sq. ft. |
| 1289 | | | | | |
| 1254 | | Ditto | | | |
| 35 | | | C. Panel, No. 178 | 993 | sq. ft. |

**No. 40, SPECIAL.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1496 | Wt. of paint before use. | | | | |
| 1453 | " " " | after use. | | | |
| 43 | " " " | applied to | W. P. Panel, No. 168 | 810 | sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1453 | | |
| 1407 | Ditto | |
| 46 | | Y. P. Panel, No. 168 757 sq. ft. |
| 1407 | | |
| 1362 | Ditto | |
| 45 | | C. Panel, No. 168 796 sq. ft. |

White Paint
Third Coat

## No. 1, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2051 | Wt. of paint before use. | | | | |
| 2007 | " | " | " after use. | | |
| 44 | " | " | " applied to | W. P. Panel, No. 1 | 664 sq. ft. |
| 2007 | | | | | |
| 1971 | | Ditto | | | |
| 36 | | | | Y. P. Panel, No. 1 | |
| 1971 | | | | | |
| 1933 | | Ditto | | | |
| 38 | | | | C. Panel, No. 1 | |
| 1933 | | | | | |
| 1895 | | Ditto | | | |
| 38 | | | | W. P. Panel, No. 2 | 968 sq. ft. |
| 1895 | | | | | |
| 1858 | | Ditto | | | |
| 37 | | | | Y. P. Panel, No. 2 | |
| 1858 | | | | | |
| 1816 | | Ditto | | | |
| 42 | | | | C. Panel, No. 2 | |

## No. 2, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2345 | Wt. of paint before use. | | | | |
| 2310 | " | " | " after use. | | |
| 35 | " | " | " applied to | W. P. Panel, No. 3 | 948 sq. ft. |
| 2310 | | | | | |
| 2280 | | Ditto | | | |
| 30 | | | | Y. P. Panel, No. 3 | |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2280 | | | | | |
| 2246 | | | Ditto | | |
| 34 | | | | C. Panel, No. 3 | |
| 2246 | | | | | |
| 2212 | | | Ditto | | |
| 34 | | | | W. P. Panel, No. 4 | 976 sq. ft. |
| 2212 | | | | | |
| 2177 | | | Ditto | | |
| 35 | | | | Y. P. Panel, No. 4 | |
| 2177 | | | | | |
| 2144 | | | Ditto | | |
| 33 | | | | C. Panel, No. 4 | |

## No. 3, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2579 | Wt. of paint before use. | | | | |
| 2531 | " | " | " after use. | | |
| 48 | " | " | " applied to | W. P. Panel, No. 5 | 786 sq. ft. |
| 2531 | | | | | |
| 2491 | | | Ditto | | |
| 40 | | | | Y. P. Panel, No. 5 | |
| 2491 | | | | | |
| 2451 | | | Ditto | | |
| 40 | | | | C. Panel, No. 5 | |
| 2451 | | | | | |
| 2410 | | | Ditto | | |
| 41 | | | | W. P. Panel, No. 6 | 920 sq. ft. |
| 2410 | | | | | |
| 2365 | | | Ditto | | |
| 45 | | | | Y. P. Panel, No. 6 | |
| 2365 | | | | | |
| 2323 | | | Ditto | | |
| 42 | | | | C. Panel, No. 6 | |

## No. 4, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2627 | Wt. of paint before use. | | | |
| 2591 | " " " after use. | | | |
| 36 | " " " applied to | W. P. Panel, No. 7 | | 1047 sq. ft. |
| 2591 | | | | |
| 2550 | Ditto | | | |
| 41 | | Y. P. Panel, No. 7 | | |
| 2550 | | | | |
| 2510 | Ditto | | | |
| 40 | | C. Panel, No. 7 | | |
| 2510 | | | | |
| 2470 | Ditto | | | |
| 40 | | W. P. Panel, No. 8 | | 943 sq. ft. |
| 2470 | | | | |
| 2429 | Ditto | | | |
| 41 | | Y. P. Panel, No. 8 | | |
| 2429 | | | | |
| 2382 | Ditto | | | |
| 47 | | C. Panel, No. 8 | | |

## No. 5, WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2089 | Wt. of paint before use. | | | |
| 2049 | " " " after use. | | | |
| 40 | " " " applied to | W. P. Panel, No. 9 | | 709 sq. ft. |
| 2049 | | | | |
| 2010 | Ditto | | | |
| 39 | | Y. P. Panel, No. 9 | | |
| 2010 | | | | |
| 1973 | Ditto | | | |
| 37 | | C. Panel, No. 9 | | |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1973 | | | |
| 1936 | Ditto | | |
| 37 | | W. P. Panel, No. 10 | 766 sq. ft. |
| 1936 | | | |
| 1898 | Ditto | | |
| 38 | | Y. P. Panel, No. 10 | |
| 1898 | | | |
| 1858 | Ditto | | |
| 40 | | C. Panel, No. 10 | |

## No. 6, WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2272 | Wt. of paint before use. | | |
| 2234 | " " " after use. | | |
| 38 | " " " applied to | W. P. Panel, No. 11 | 863 sq. ft. |
| 2234 | | | |
| 2199 | Ditto | | |
| 35 | | Y. P. Panel, No. 11 | |
| 2199 | | | |
| 2166 | Ditto | | |
| 33 | | C. Panel, No. 11 | |
| 2166 | | | |
| 2128 | Ditto | | |
| 38 | | W. P. Panel, No. 12 | 863 sq. ft. |
| 2128 | | | |
| 2090 | Ditto | | |
| 38 | | Y. P. Panel, No. 12 | |
| 2090 | | | |
| 2052 | Ditto | | |
| 38 | | C. Panel, No. 12 | |

## No. 7, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2378 | Wt. of paint before use. | | | |
| 2340 | " " " after use. | | | |
| 38 | " " " applied to | W. P. Panel, No. 13 | | 891 sq. ft. |
| 2340 | | | | |
| 2300 | Ditto | | | |
| 40 | | Y. P. Panel, No. 13 | | |
| 2300 | | | | |
| 2263 | Ditto | | | |
| 37 | | C. Panel, No. 13 | | |
| 2263 | | | | |
| 2225 | Ditto | | | |
| 38 | | W. P. Panel, No. 14 | | 891 sq. ft. |
| 2225 | | | | |
| 2191 | Ditto | | | |
| 34 | | Y. P. Panel, No. 14 | | |
| 2191 | | | | |
| 2152 | Ditto | | | |
| 39 | | C. Panel, No. 14 | | |

## No. 8, WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2229 | Wt. of paint before use. | | | |
| 2190 | " " " after use. | | | |
| 39 | " " " applied to | W. P. Panel, No. 15 | | 767 sq. ft. |
| 2190 | | | | |
| 2152 | Ditto | | | |
| 38 | | Y. P. Panel, No. 15 | | |
| 2130 | | | | |
| 2093 | Ditto | | | |
| 37 | | C. Panel, No. 15 | | |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2152 | | | |
| 2117 | Ditto | | |
| 35 | | W. P. Panel, No. 16 | 854 sq. ft. |
| 2117 | | | |
| 2085 | Ditto | | |
| 32 | | Y. P. Panel, No. 16 | |
| 2093 | | | |
| 2059 | Ditto | | |
| 34 | | C. Panel, No. 16 | |

## No. 9, WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 1831 | Wt. of paint before use. | | |
| 1801 | " " " after use. | | |
| 30 | " " " applied to | W. P. Panel, No. 17 | 812 sq. ft. |
| 1801 | | | |
| 1777 | Ditto | | |
| 24 | | Y. P. Panel, No. 17 | |
| 1777 | | | |
| 1753 | Ditto | | |
| 24 | | C. Panel, No. 17 | |
| 1753 | | | |
| 1725 | Ditto | | |
| 28 | | W. P. Panel, No. 18 | 870 sq. ft. |
| 1725 | | | |
| 1700 | Ditto | | |
| 25 | | Y. P. Panel, No. 18 | |
| 1700 | | | |
| 1676 | Ditto | | |
| 24 | | C. Panel, No. 18 | |

## No. 10, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2321 | Wt. of paint before use. | | | |
| 2285 | " " " after use. | | | |
| 36 | " " " applied to | W. P. Panel, No. 19 | | 862 sq. ft. |
| 2285 | | | | |
| 2260 | Ditto | | | |
| 25 | | Y. P. Panel, No. 19 | | |
| 2260 | | | | |
| 2230 | Ditto | | | |
| 30 | | C. Panel, No. 19 | | |
| 2230 | | | | |
| 2198 | Ditto | | | |
| 32 | | W. P. Panel, No. 20 | | 969 sq. ft. |
| 2198 | | | | |
| 2170 | Ditto | | | |
| 28 | | Y. P. Panel, No. 20 | | |
| 2170 | | | | |
| 2140 | Ditto | | | |
| 30 | | C. Panel, No. 20 | | |

## No. 11, WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2336 | Wt. of paint before use. | | | |
| 2303 | " " " after use. | | | |
| 33 | " " " applied to | W. P. Panel, No. 21 | | 918 sq. ft. |
| 1303 | | | | |
| 1273 | Ditto | | | |
| 30 | | Y. P. Panel, No. 21 | | |
| 1273 | | | | |
| 1238 | Ditto | | | |
| 35 | | C. Panel, No. 21 | | |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1238 | | | |
| 1207 | Ditto | | |
| 31 | | W. P. Panel, No. 22 | 978 sq. ft. |
| 1207 | | | |
| 1178 | Ditto | | |
| 29 | | Y. P. Panel, No. 22 | |
| 1178 | | | |
| 1144 | Ditto | | |
| 34 | | C. Panel, No. 22 | |

## No. 12, WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2262 | Wt. of paint before use. | | |
| 2233 | " " " after use. | | |
| 29 | " " " applied to | W. P. Panel, No. 23 | 734 sq. ft. |
| 2233 | | | |
| 2203 | Ditto | | |
| 30 | | Y. P. Panel, No. 23 | |
| 2203 | | | |
| 2173 | Ditto | | |
| 30 | | C. Panel, No. 23 | |
| 2173 | | | |
| 2142 | Ditto | | |
| 31 | | W. P. Panel, No. 24 | 684 sq. ft. |
| 2142 | | | |
| 2117 | Ditto | | |
| 25 | | Y. P. Panel, No. 24 | |
| 2117 | | | |
| 2086 | Ditto | | |
| 31 | | C. Panel, No. 24 | |

## No. 13, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2197 | Wt. of paint before use. | | | |
| 2169 | " " " | after use. | | |
| 28 | " " " | applied to | W. P. Panel, No. 25 | 1121 sq. ft. |
| 2169 | | | | |
| 2138 | | Ditto | | |
| 31 | | | Y. P. Panel, No. 25 | |
| 2138 | | | | |
| 2111 | | Ditto | | |
| 29 | | | C. Panel, No. 25 | |
| 2111 | | | | |
| 2084 | | Ditto | | |
| 27 | | | W. P. Panel, No. 26 | 1162 sq. ft. |
| 2084 | | | | |
| 2051 | | Ditto | | |
| 33 | | | Y. P. Panel, No. 26 | |
| 2051 | | | | |
| 2020½ | | Ditto | | |
| 34½ | | | C. Panel, No. 26 | |

## No. 14, WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2126 | Wt. of paint before use. | | | |
| 2089 | " " " | after use. | | |
| 37 | " " " | applied to | W. P. Panel, No. 27 | 785 sq. ft. |
| 2089 | | | | |
| 2060 | | Ditto | | |
| 29 | | | Y. P. Panel, No. 27 | |
| 2060 | | | | |
| 2033 | | Ditto | | |
| 27 | | | C. Panel, No. 27 | |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2033 | | | | |
| 2003 | | Ditto | | |
| 30 | | | W. P. Panel, No. 28 | 968 sq. ft. |
| 2003 | | | | |
| 1975 | | Ditto | | |
| 28 | | | Y. P. Panel, No. 28 | |
| 1975 | | | | |
| 1946 | | Ditto | | |
| 29 | | | C. Panel, No. 28 | |

## No. 15, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2427 | Wt. of paint before use. | | | | |
| 2402 | " | " | " after use. | | |
| 25 | " | " | " applied to | W. P. Panel, No. 29 | 1359 sq. ft. |
| 2402 | | | | | |
| 2378 | | | Ditto | | |
| 24 | | | | Y. P. Panel, No. 29 | |
| 2378 | | | | | |
| 2351 | | | Ditto | | |
| 27 | | | | C. Panel, No. 29 | |
| 2351 | | | | | |
| 2323 | | | Ditto | | |
| 28 | | | | W. P. Panel, No. 30 | 1212 sq. ft. |
| 2323 | | | | | |
| 2296 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 30 | |
| 2296 | | | | | |
| 2269 | | | Ditto | | |
| 27 | | | | C. Panel, No. 30 | |

## No. 16, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2314 | Wt. of paint before use. | | | |
| 2282 | " " " after use. | | | |
| 32 | " " " applied to | W. P. Panel, No. 31 | | 994 sq. ft. |
| 2282 | | | | |
| 2251 | | | | |
| 31 | | Y. P. Panel, No. 31 | | |
| 2251 | | | | |
| 2221 | Ditto | | | |
| 30 | | C. Panel, No. 31 | | |
| 2221 | | | | |
| 2192 | Ditto | | | |
| 29 | | W. P. Panel, No. 32 | | 1097 sq. ft. |
| 2192 | | | | |
| 2161 | Ditto | | | |
| 31 | | Y. P. Panel, No. 32 | | |
| 2161 | | | | |
| 2128 | Ditto | | | |
| 33 | | C. Panel, No. 32 | | |

## No.17, WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2294 | Wt. of paint before use. | | | |
| 2260 | " " " after use. | | | |
| 34 | " " " applied to | W. P. Panel, No. 33 | | 884 sq. ft. |
| 2260 | | | | |
| 2229 | Ditto | | | |
| 31 | | Y. P. Panel, No. 33 | | |
| 2229 | | | | |
| 2203 | Ditto | | | |
| 26 | | C. Panel, No. 33 | | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2203 | | |
| 2174 | Ditto | |
| 29 | | W. P. Panel, No. 34 1040 sq. ft. |
| 2174 | | |
| 2147 | Ditto | |
| 27 | | Y. P. Panel, No. 34 |
| 2147 | | |
| 2121 | Ditto | |
| 26 | | C. Panel, No. 34 |

## No. 18, WHITE PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2496 | Wt. of paint before use. | |
| 2461 | " " " after use. | |
| 35 | " " " applied to | W. P. Panel, No. 145 973 sq. ft. |
| 2461 | | |
| 2430 | Ditto | |
| 31 | | Y. P. Panel, No. 145 |
| 2430 | | |
| 2399 | Ditto | |
| 31 | | C. Panel, No. 145 |
| 2399 | | |
| 2366 | Ditto | |
| 33 | | W. P. Panel, No. 146 1031 sq ft. |
| 2366 | | |
| 2334 | Ditto | |
| 32 | | Y. P. Panel, No 146 |
| 2334 | | |
| 2302 | Ditto | |
| 32 | | C. Panel, No. 146 |

## No. 19, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2501 | Wt. of paint before use. | | | | |
| 2477 | " | " | " | after use. | |
| 24 | " | " | " | applied to W. P. Panel, No. 147 | 1400 sq. ft. |
| 2477 | | | | | |
| 2456 | | | Ditto | | |
| 21 | | | | Y. P. Panel No. 147 | |
| 2456 | | | | | |
| 2433 | | | Ditto | | |
| 23 | | | | C. Panel, No. 147 | |
| 2433 | | | | | |
| 2400 | | | Ditto | | |
| 33 | | | | W. P. Panel, No. 148 | 1021 sq. ft. |
| 2400 | | | | | |
| 2365 | | | Ditto | | |
| 35 | | | | Y. P. Panel, No. 148 | |
| 2365 | | | | | |
| 2325 | | | Ditto | | |
| 40 | | | | C. Panel, No. 148 | |
| 2365 | | | | | |
| 2325 | | | Ditto | | |
| 40 | | | | C. Panel, No. 148 | |

## No. 20, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2351 | Wt. of paint before use. | | | | |
| 2315 | " | " | " | after use. | |
| 36 | " | " | " | applied to W. P. Panel, No. 149 | 877 sq. ft. |
| 2315 | | | | | |
| 2282 | | | Ditto | | |
| 33 | | | | Y. P. Panel, No. 149 | |
| 2282 | | | | | |
| 2248 | | | Ditto | | |
| 34 | | | | C. Panel, No. 149 | |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2248 | | | | | |
| 2216 | | | Ditto | | |
| 32 | | | | W. P. Panel, No. 150 | 990 sq. ft. |
| 2216 | | | | | |
| 2181 | | | Ditto | | |
| 35 | | | | Y. P. Panel, No. 150 | |
| 2181 | | | | | |
| 2145 | | | Ditto | | |
| 36 | | | | C. Panel, No. 150 | |

## No. 21, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2102 | Wt. of paint before use. | | | | |
| 2070 | " | " | " after use. | | |
| 32 | " | " | " applied to | W. P. Panel, No. 151 | 824 sq. ft. |
| 2070 | | | | | |
| 2038 | | | Ditto | | |
| 32 | | | | Y. P. Panel, No. 151 | |
| 2038 | | | | | |
| 2006 | | | Ditto | | |
| 32 | | | | C. Panel, No. 151 | |
| 2006 | | | | | |
| 1973 | | | Ditto | | |
| 33 | | | | W. P. Panel, No. 152 | 800 sq. ft. |
| 1973 | | | | | |
| 1946 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 152 | |
| 1946 | | | | | |
| 1915 | | | Ditto | | |
| 31 | | | | C. Panel, No. 152 | |

## No. 22, WHITE PAINT.

| Grammes. | | 3d Coat. | Spreading Rate. |
|---|---|---|---|
| 2117 | Wt. of paint before use. | | |
| 2082 | " " " after use. | | |
| 35 | " " " applied to | W. P. Panel, No. 153 | 810 sq. ft. |
| 2065 | | | |
| 2046 | Ditto | | |
| 29 | | Y. P. Panel, No. 153 | |
| 2046 | | | |
| 2009 | Ditto | | |
| 27 | | C. Panel, No. 153 | |
| 2009 | | | |
| 1975 | Ditto | | |
| 34 | | W. P. Panel, No. 154 | 834 sq. ft. |
| 1974 | | | |
| 1939 | Ditto | | |
| 35 | | Y. P. Panel, No. 154 | |
| 1939 | | | |
| 1909 | Ditto | | |
| 30 | | C. Panel, No. 154 | |

## No. 23, WHITE PAINT.

| | | 3d Coat. | |
|---|---|---|---|
| 2021 | Wt. of paint before use. | | |
| 1991 | " " " after use. | | |
| 30 | " " " applied to | W. P. Panel, No. 155 | 888 sq. ft. |
| 1991 | | | |
| 1960 | Ditto | | |
| 31 | | Y. P. Panel, No. 155 | |
| 1960 | | | |
| 1925 | Ditto | | |
| 35 | | C. Panel, No. 155 | |
| 1925 | | | |
| 1891 | Ditto | | |
| 34 | | W. P. Panel, No. 156 | 784 sq. ft. |

| Grammes. | | | | | | Spreading Rate. |
|---|---|---|---|---|---|---|
| 1891 | | | | | | |
| 1858 | | | Ditto | | | |
| 33 | | | | | Y. P. Panel, No. 156 | |
| 1858 | | | | | | |
| 1825 | | | Ditto | | | |
| 33 | | | | | C. Panel, No. 156 | |

## No. 24, WHITE PAINT.

### 3d Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2100 | Wt. of paint before use. | | | | | |
| 2068 | " | " | " | after use. | | |
| 32 | " | " | " | applied to | W. P. Panel, No. 157 | 857 sq. ft. |
| 2068 | | | | | | |
| 2036 | | | Ditto | | | |
| 32 | | | | | Y. P. Panel, No. 157 | |
| 2036 | | | | | | |
| 2003 | | | Ditto | | | |
| 33 | | | | | C. Panel, No. 157 | |
| 2003 | | | | | | |
| 1977 | | | Ditto | | | |
| 26 | | | | | W. P. Panel, No. 158 | 1054 sq. ft. |
| 1977 | | | | | | |
| 1947 | | | Ditto | | | |
| 30 | | | | | Y. P. Panel, No. 158 | |
| 1947 | | | | | | |
| 1912 | | | Ditto | | | |
| 35 | | | | | C. Panel, No. 158 | |

## No. 25, WHITE PAINT.

### 3d Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2112 | Wt. of paint before use. | | | | | |
| 2083 | " | " | " | after use. | | |
| 29 | " | " | " | applied to | W. P. Panel, No. 159 | 925 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2083 | | | | |
| 2053 | Ditto | | | |
| 30 | | | Y. P. Panel, No. 159 | |
| 2053 | | | | |
| 2023 | Ditto | | | |
| 30 | | | C. Panel, No. 159 | |
| 2023 | | | | |
| 1994 | Ditto | | | |
| 29 | | | W. P. Panel, No. 160 | 925 sq. ft. |
| 1994 | | | | |
| 1964 | Ditto | | | |
| 30 | | | Y. P. Panel, No. 160 | |
| 1964 | | | | |
| 1934 | Ditto | | | |
| 30 | | | C. Panel, No. 160 | |

## No. 26, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2164 | Wt. of paint | | before use. | | |
| 2130 | " | " | " after use. | | |
| 34 | " | " | " applied to | W. P. Panel, No. 161 | 818 sq. ft. |
| 2130 | | | | | |
| 2098 | Ditto | | | | |
| 32 | | | | Y. P. Panel, No. 161 | |
| 2098 | | | | | |
| 2063 | Ditto | | | | |
| 35 | | | | C. Panel, No. 161 | |
| 2063 | | | | | |
| 2030 | Ditto | | | | |
| 33 | | | | W. P. Panel, No. 162 | 843 sq. ft. |
| 2030 | | | | | |
| 1999 | Ditto | | | | |
| 31 | | | | Y. P. Panel, No. 162 | |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1999 | | | | | |
| 1970 | | | Ditto | | |
| 29 | | | | C. Panel, No. 162 | |

## No. 27, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2131 | Wt. of paint before use. | | | | |
| 2100 | " | " | " after use. | | |
| 31 | " | " | " applied to | W. P. Panel, No. 163 | 804 sq. ft. |
| 2100 | | | | | |
| 2069 | | | Ditto | | |
| 31 | | | | Y. P. Panel, No. 163 | |
| 2069 | | | | | |
| 2038 | | | Ditto | | |
| 31 | | | | C. Panel, No. 163 | |
| 2038 | | | | | |
| 2007 | | | Ditto | | |
| 31 | | | | W. P. Panel, No. 164 | 804 sq. ft. |
| 2007 | | | | | |
| 1983 | | | Ditto | | |
| 24 | | | | Y. P. Panel, No. 164 | |
| 1983 | | | | | |
| 1952 | | | Ditto | | |
| 31 | | | | C. Panel No. 164 | |

## No. 33, SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2240 | Wt. of paint before use. | | | | |
| 2191 | " | " | " after use. | | |
| 49 | " | " | " applied to | W. P. Panel, No. 176 | 689 sq. ft. |
| 2191 | | | | | |
| 2152 | | | Ditto | | |
| 39 | | | | Panel, No. 176 | |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2152 | | | | | |
| 2117 | | Ditto | | | |
| 35 | | | | Panel, No. 176 | |

## No. 34, SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1341 | Wt. of paint before use. | | | | |
| 1298 | " | " | " after use. | | |
| 43 | " | " | " applied to | W. P. Panel, No. 175 | 810 sq. ft. |
| 1298 | | | | | |
| 1260 | | Ditto | | | |
| 38 | | | | Y. P. Panel, No. 175 | |
| 1260 | | | | | |
| 1219 | | Ditto | | | |
| 41 | | | | Panel, No. 175 | |

## No. 35 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1353 | Wt. of paint before use. | | | | |
| 1305 | " | " | " after use. | | |
| 48 | " | " | " applied to | W. P. Panel, No. 180 | 724 sq. ft. |
| 1305 | | | | | |
| 1262 | | Ditto | | | |
| 43 | | | | Y. P. Panel, No. 180 | |
| 1262 | | | | | |
| 1220 | | Ditto | | | |
| 42 | | | | C. Panel, No. 180 | |

## No. 36, SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1381 | Wt. of paint before use. | | | | |
| 1343 | " | " | " after use. | | |
| 38 | " | " | " applied to | W. P. Panel, No. 181 | 861 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1343 | | | | | |
| 1305 | | Ditto | | | |
| 38 | | | | Y. P. Panel, No. 181 | |
| 1305 | | | | | |
| 1265 | | Ditto | | | |
| 40 | | | | C. Panel, No. 181 | |

## No. 37, SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1324 | Wt. of paint before use. | | | | |
| 1279 | " | " | " after use. | | |
| 45 | " | " | " applied to | W. P. Panel, No. 182 | 828 sq. ft. |
| 1279 | | | | | |
| 1240 | | Ditto | | | |
| 39 | | | | Y. P. Panel, No. 182 | |
| 1240 | | | | | |
| 1192 | | Ditto | | | |
| 48 | | | | C. Panel, No. 182 | |

## No. 38, SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1304 | Wt. of paint before use. | | | | |
| 1257 | " | " | " after use. | | |
| 47 | " | " | " applied to | W. P. Panel, No. 177 | 794 sq. ft. |
| 1257 | | | | | |
| 1214 | | Ditto | | | |
| 43 | | | | Y. P. Panel, No. 177 | |
| 1214 | | | | | |
| 1164 | | Ditto | | | |
| 50 | | | | C. Panel, No. 177 | |

## No. 39, SPECIAL.

| Grammes. | | | | 3d Coat. | | Spreading Rate. |
|---|---|---|---|---|---|---|
| 1288 | Wt. of paint before use. | | | | | |
| 1250 | " | " | " | after use. | | |
| 38 | " | " | " | applied to | W. P. Panel, No. 178 | 916 sq. ft. |
| 1250 | | | | | | |
| 1217 | | | Ditto | | | |
| 33 | | | | | Y. P. Panel, No. 178 | |
| 1217 | | | | | | |
| 1182 | | | Ditto | | | |
| 35 | | | | | C. Panel, No. 178 | |

## No. 40, SPECIAL.

### 3d Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 1327 | Wt. of paint before use. | | | | | |
| 1292 | " | " | " | after use. | | |
| 35 | " | " | " | applied to | W. P. Panel, No. 168 | 998 sq. ft. |
| 1292 | | | | | | |
| 1258 | | | Ditto | | | |
| 34 | | | | | Y. P. Panel, No. 168 | |
| 1258 | | | | | | |
| 1222 | | | Ditto | | | |
| 36 | | | | | C. Panel, No. 168 | |

## No. 45, WHITE PAINT.

### 3d Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2129 | Wt. of paint before use. | | | | | |
| 2095 | " | " | " | after use. | | |
| 34 | " | " | " | applied to | W. P. Panel, No. 170 | |
| 2095 | | | | | | |
| 2067 | | | Ditto | | | |
| 28 | | | | | Y. P. Panel, No. 170 | |
| 2067 | | | | | | |
| 2037 | | | Ditto | | | |
| 30 | | | | | C. Panel, No. 170 | |

## No. 46, WHITE PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2216 | Wt. of paint before use. | | | | |
| 2177 | " | " | " | after use. | |
| 39 | " | " | " | applied to | W. P. Panel, No. 169 |
| 2177 | | | | | |
| 2145 | | | Ditto | | |
| 32 | | | | | Y. P. Panel, No. 169 |
| 2145 | | | | | |
| 2114 | | | Ditto | | |
| 31 | | | | | C. Panel, No. 169 |

## No. 47, WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2389 | Wt. of paint before use. | | | | |
| 2349 | " | " | " | after use. | |
| 31 | " | " | " | applied to | W. P. Panel, No. 172 |
| 2349 | | | | | |
| 2316 | | | Ditto | | |
| 33 | | | | | Y. P. Panel, No.172 |
| 2316 | | | | | |
| 2291 | | | Ditto | | |
| 25 | | | | | C. Panel, No. 172 |

Yellow Paint
First Coat

## No. 1, YELLOW PAINT.

### 1st Coat.

Grammes.

1826 Wt. of ¼ gal. paint as received.

1669 " " reduced paint before use.
1630 " " " " after use.

39 " " paint applied to W. P. Panel, No. 35
1630
1580 Ditto

50 Y. P. Panel, No. 35
1580
1543 Ditto

C. Panel, No. 35
1543
1507 Ditto

W. P. Panel, No. 36
1507
1472 Ditto

Y. P. Panel, No. 36
1472
1439 Ditto

C. Panel, No. 36

## No. 2, YELLOW PAINT.

### 1st Coat.

1899 Wt. of ¼ gal. paint as received.

1715 " " reduced paint before use.
1679 " " " " after use.

" " paint applied to W. P. Panel, No. 37
1679
1635 Ditto

Y. P. Panel, No. 37

Grammes.

1635
1602 Ditto

C. Panel, No. 37

1602
1561 Ditto

W. P. Panel, No. 38

1561
1524 Ditto

Y. P. Panel, No. 38

1524
1494 Ditto

C. Panel, No. 38

## No. 3, YELLOW PAINT.

### 1st Coat.

2156 Wt. of ¼ gal. paint as received.

1838 " " reduced paint before used.
1785 " " " " after use.

" " paint applied to W. P. Panel, No. 39

1785
1732 Ditto

Y. P. Panel, No. 39

1732
1684 Ditto

C. Panel, No. 39

1684
1640 Ditto

W. P. Panel, No. 40

1640
1587 Ditto

Y. P. Panel, No. 40

Grammes.

1587
1541 Ditto

C. Panel, No. 40

## No. 4, YELLOW PAINT.

### 1st Coat.

2039 Wt. of ¼ gal. paint as received.

1653 " " reduced paint before use.
1612 " " " " after use.

" " paint applied to W. P. Panel, No. 41

1612
1566 Ditto

Y. P. Panel, No. 41

1566
1525 Ditto

C. Panel, No. 41

1525
1486 Ditto

W. P. Panel, No. 42

1486
1446½ Ditto

Y. P. Panel, No. 42

1446½
1404 Ditto

C. Panel, No. 42

## No. 5, YELLOW PAINT.

### 1st Coat.

1721 Wt. of ¼ gal. paint as received.

1501 " " reduced paint before use.
1456 " " " " after use.

45 " " paint applied to W. P. Panel, No. 43

| Grammes. | | |
|---|---|---|
| 1456 | | |
| 1416 | Ditto | |
| 40 | | Y. P. Panel, No. 43 |
| 1416 | | |
| 1376 | Ditto | |
| 40 | | C. Panel, No. 43 |
| 1376 | | |
| 1331 | Ditto | |
| 45 | | W. P. Panel, No. 44 |
| 1331 | | |
| 1288 | Ditto | |
| 43 | | Y. P. Panel, No. 44 |
| 1288 | | |
| 1252 | Ditto | |
| 36 | | C. Panel, No. 44 |

## No. 6, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1870 | Wt. of ¼ gal. paint as received. | |
| 1601 | " " reduced paint before use. | |
| 1557 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 45 |
| 1557 | | |
| 1520 | Ditto | |
| | | Y. P. Panel, No. 45 |
| 1520 | | |
| 1485 | Ditto | |
| | | C. Panel, No. 45 |
| 1485 | | |
| 1441 | Ditto | |
| | | W. P. Panel, No. 46 |

Grammes.

1441
1400 Ditto

Y. P. Panel, No. 46

1400
1363 Ditto

C. Panel, No. 46

## No. 7, YELLOW PAINT.

### 1st Coat.

2049 Wt. of ¼ gal. paint as received.

1702 " " reduced paint before use.
1650 " " " " after use.

52 " " paint applied to W. P. Panel, No. 47
1650
1604 Ditto

W. P. Panel, No. 47

1604
1561 Ditto

C. Panel, No. 47

1561
1518 Ditto

W. P. Panel, No. 48

1518
1472½ Ditto

Y. P. Panel, No. 48

1472½
1429½ Ditto

C. Panel, No. 48

## No. 8, YELLOW PAINT.

### 1st Coat.

Grammes.

1896 Wt. of ¼ gal. paint as received.

1662 " " reduced paint before use.
1621 " " " " after use.

" " paint applied to W. P. Panel, No. 49
1621
1564 Ditto

Y. P. Panel, No. 49
1564
1522 Ditto

C. Panel, No. 49
1522
1479 Ditto

W. P. Panel, No. 50
1479
1429 Ditto

Y. P. Panel, No. 50
1429
1391 Ditto

C. Panel, No. 50

## No. 9, YELLOW PAINT.

### 1st Coat.

1571 Wt. of ¼ gal. paint as received.

1445 " " reduced paint before use.
1406 " " " " after use.

" " paint applied to W. P. Panel, No. 51
1406
1368 Ditto

Y. P. Panel, No. 51

Grammes.

1368
1335 Ditto

C. Panel, No. 51

1335
1298 Ditto

W. P. Panel, No. 52

1298
1260 Ditto

Y. P. Panel, No. 52

1260
1229 Ditto

C. Panel, No. 52

## No. 10, YELLOW PAINT.

### 1st Coat.

1821 Wt. of ¼ gal. paint as received.

1527½ " " reduced paint before use.
1489 " " " " after use.

" " paint applied to W. P. Panel, No. 53

1489
1448 Ditto

Y. P. Panel, No. 53

1448
1405 Ditto

C. Panel, No. 53

1405
1363½ Ditto

W. P. Panel, No. 54

1363½
1323½ Ditto

Y. P. Panel, No. 54

Grammes.
1323½
1287½ Ditto

C. Panel, No. 54

## No. 11, YELLOW PAINT.

### 1st Coat.

1928 Wt. of ¼ gal. paint as received.

1675 " " reduced paint before use.
1632½ " " " " after use.

" " paint applied to W. P. Panel, No. 55
1632½
1598½ Ditto

Y. P. Panel, No. 55
1598½
1558½ Ditto

C. Panel, No. 55
1558½
1518½ Ditto

W. P. Panel, No. 56
1518½
1470 Ditto

Y. P. Panel, No. 56
1470
1430 Ditto

C. Panel, No. 56

## No. 12, YELLOW PAINT.

### 1st Coat.

1813 Wt. of ¼ gal. paint as received.

1509 " " reduced paint before use.
1460 " " " " after use.

" " paint applied to W. P. Panel, No. 57

Grammes.

1460
1413 Ditto

Y. P. Panel, No. 57

1418
1368 Ditto

C. Panel, No. 57

1368
1314 Ditto

W. P. Panel, No. 58

1314
1273 Ditto

Y. P. Panel, No. 58

1273
1233 Ditto

C. Panel, No. 58

## No. 13, YELLOW PAINT.

### 1st Coat.

1844 Wt. of ¼ gal. paint as received.

1636 " " reduced paint before use.
1587 " " " " after use.

" " paint applied to W. P. Panel, No. 59

1587
1539½ Ditto

Y. P. Panel, No. 59

1539½
1498 Ditto

C. Panel, No. 59

1498
1456½ Ditto

W. P. Panel, No. 60

Grammes.

1456½

1407 Ditto

---

Y. P. Panel, No. 60

1407

1362 Ditto

---

C. Panel, No. 60

## No. 14, YELLOW PAINT.

### 1st Coat.

1718 Wt. of ¼ gal. paint as received.

---

1538 " " reduced paint before use.

1489 " " " " after use.

---

" " paint applied to W. P. Panel, No. 61

1489

1435 Ditto

---

Y. P. Panel, No. 61

1435

1397 Ditto

---

C. Panel, No. 61

1397

1356 Ditto

---

W. P. Panel, No. 62

1356

1315 Ditto

---

Y. P. Panel, No. 62

1315

1271 Ditto

---

C. Panel, No. 62

## No. 15, YELLOW PAINT.

### 1st Coat.

1977 Wt. of ¼ gal. paint as received.

---

1719 " " reduced paint before use.

1678 " " " " after use.

---

" " paint applied to W. P. Panel, No. 63

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1678 | | |
| 1627 | Ditto | |
| | | Y. P. Panel, No. 63 |
| 1627 | | |
| 1581 | Ditto | |
| | | C. Panel, No. 63 |
| 1581 | | |
| 1542 | Ditto | |
| | | W. P. Panel, No. 64 |
| 1542 | | |
| 1496 | Ditto | |
| | | Y. P. Panel, No. 64 |
| 1496 | | |
| 1456 | Ditto | |
| | | C. Panel, No. 64 |

## No. 16, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2014 | Wt. of ¼ gal. paint as received. | |
| 1662 | " " reduced paint before use. | |
| 1612 | " " " " after use. | |
| | " " paint applied | to W. P. Panel, No. 65 |
| 1612 | | |
| 1566½ | Ditto | |
| | | Y. P. Panel, No. 65 |
| 1566½ | | |
| 1525½ | Ditto | |
| | | C. Panel, No. 65 |
| 1525½ | | |
| 1482½ | Ditto | |
| | | W. P. Panel, No. 66 |
| 1482½ | | |
| 1437 | Ditto | |
| | | Y. P. Panel, No. 66 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1437 | | |
| 1399 | Ditto | |
| | | C. Panel, No. 66 |

## No. 17, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1964 | Wt. of ¼ gal. paint as received. | |
| 1712 | " " reduced paint before use. | |
| 1668 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 67 |
| 1668 | | |
| 1628 | Ditto | |
| | | Y. P. Panel, No. 67 |
| 1628 | | |
| 1589 | Ditto | |
| | | C. Panel, No. 67 |
| 1589 | | |
| 1550½ | Ditto | |
| | | W. P. Panel, No. 68 |
| 1550½ | | |
| 1504½ | Ditto | |
| | | Y. P. Panel, No. 68 |
| 1504½ | | |
| 1466½ | Ditto | |
| | | C. Panel, No. 68 |

## No. 18, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2145 | Wt. of ¼ gal. paint as received. | |
| 1721 | " " reduced paint before use | |
| 1663 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 125 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1663 | | |
| 1568 | Ditto | |
| ——— | | |
| | | Y. P. Panel, No. 125 |
| 1568 | | |
| 1510 | Ditto | |
| ——— | | |
| | | C. Panel, No. 125 |
| 1510 | | |
| 1452 | Ditto | |
| ——— | | |
| | | W. P. Panel, No. 126 |
| 1452 | | |
| 1395 | Ditto | |
| ——— | | |
| | | Y. P. Panel, No. 126 |
| 1395 | | |
| 1340 | Ditto | |
| ——— | | |
| | | C. Panel, No. 126 |

## No. 19, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2115 | Wt. of. ¼ gal. paint as received. | |
| ——— | | |
| 1782 | " " reduced paint before use. | |
| 1733 | " " " " after use. | |
| ——— | | |
| | " " paint applied to | W. P. Panel, No. 127 |
| 1733 | | |
| 1687 | Ditto | |
| ——— | | |
| | | Y. P. Panel, No. 127 |
| 1687 | | |
| 1640 | Ditto | |
| ——— | | |
| | | C. Panel, No. 127 |
| 1640 | | |
| 1589 | Ditto | |
| ——— | | |
| | | W. P. Panel, No. 128 |
| 1589 | | |
| 1543 | Ditto | |
| ——— | | |
| | | Y. P. Panel, No. 128 |

Grammes. Spreading Rate.

1543
1494 Ditto

C. Panel, No. 128

## No. 20, YELLOW PAINT.

### 1st Coat.

1970 Wt. of ¼ gal. paint as received.

1676 " " reduced paint before use.
1623 " " " " after use.

" " paint applied to W. P. Panel, No. 129

1623
1562 Ditto

Y. P. Panel, No. 129

1562
1515 Ditto

C. Panel. No. 129

1515
1462 Ditto

W. P. Panel, No. 130

1462
1408 Ditto

Y. P. Panel, No. 130

1408
1370 Ditto

C. Panel, No. 130

## No. 21, YELLOW PAINT.

### 1st Coat.

1701 Wt. of ¼ gal. paint as received.

1577 " " reduced paint before use.
1530 " " " " after use.

" " paint applied to W. P. Panel, No. 131

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1530 | | |
| 1487 | Ditto | |
| | | Y. P. Panel, No. 131 |
| 1487 | | |
| 1445 | Ditto | |
| | | C. Panel, No. 131 |
| 1445 | | |
| 1399 | Ditto | |
| | | W. P. Panel, No. 132 |
| 1399 | | |
| 1363 | Ditto | |
| | | Y. P. Panel, No. 132 |
| 1363 | | |
| 1326 | Ditto | |
| | | C. Panel, No. 132 |

## No. 22, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1797 | Wt. of ¼ gal. paint as received. | |
| 1585 | " " reduced paint before use. | |
| 1535 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 133 |
| 1535 | | |
| 1484 | Ditto | |
| | | Y. P. Panel, No. 133 |
| 1484 | | |
| 1435 | Ditto | |
| | | C. Panel, No. 133 |
| 1435 | | |
| 1384 | Ditto | |
| | | W. P. Panel, No. 134 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1384 | | |
| 1335 | Ditto | |
| | | Y. P. Panel, No. 134 |
| 1335 | | |
| 1286 | Ditto | |
| | | C. Panel, No. 134 |

**No. 23, YELLOW PAINT.**

**1st Coat.**

| | | |
|---|---|---|
| 1732 | Wt. of ¼ gal. paint as received. | |
| 1682½ | " " reduced paint before use. | |
| 1649 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 135 |
| 1649 | | |
| 1602 | Ditto | |
| | | Y. P. Panel, No. 135 |
| 1602 | | |
| 1567 | Ditto | |
| | | C. Panel, No. 135 |
| 1567 | | |
| 1527 | Ditto | |
| | | W. P. Panel, No. 136 |
| 1527 | | |
| 1490 | Ditto | |
| | | Y. P. Panel, No. 136 |
| 1490 | | |
| 1450 | Ditto | |
| | | C. Panel, No. 136 |

**No. 24, YELLOW PAINT.**

**1st Coat.**

| | | |
|---|---|---|
| 1779 | Wt. of ¼ gal. paint as received. | |
| 1607 | " " reduced paint before use. | |
| 1563 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 137 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1563 | | |
| 1523 | Ditto | |
| | | Y. P. Panel, No. 137 |
| 1523 | | |
| 1488 | Ditto | |
| | | C. Panel, No. 137 |
| 1488 | | |
| 1448 | Ditto | |
| | | W. P. Panel, No. 138 |
| 1448 | | |
| 1405 | Ditto | |
| | | Y. P. Panel, No. 138 |
| 1405 | | |
| 1367 | Ditto | |
| | | C. Panel, No. 138 |

## No. 25, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1787 | Wt. of ¼ gal. paint as received. | |
| 1669 | " " reduced paint before use. | |
| 1626 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 139 |
| 1628 | | |
| 1588 | Ditto | |
| | | Y. P. Panel, No. 139 |
| 1588 | | |
| 1554 | Ditto | |
| | | C. Panel, No. 139 |
| 1554 | | |
| 1515 | Ditto | |
| | | W. P. Panel, No. 140 |
| 1515 | | |
| 1473 | Ditto | |
| | | Y. P. Panel, No. 140 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1473 | | |
| 1438 | Ditto | |
| | | C. Panel, No. 140 |

## No. 26, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1785 | Wt. of ¼ gal. paint as received. | |
| 1555 | " " reduced paint before use. | |
| 1515 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 141 |
| 1515 | | |
| 1470 | Ditto | |
| | | Y. P. Panel, No. 141 |
| 1470 | | |
| 1435 | Ditto | |
| | | C. Panel, No. 141 |
| 1435 | | |
| 1397 | Ditto | |
| | | W. P. Panel, No. 142 |
| 1397 | | |
| 1345 | Ditto | |
| | | Y. P. Panel, No. 142 |
| 1345 | | |
| 1308 | Ditto | |
| | | C. Panel, No. 142 |

## No. 27, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1773 | Wt. of ¼ gal. paint as received. | |
| 1600 | " " reduced paint before use. | |
| 1562 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 142 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1562 | | |
| 1521 | Ditto | |
| | | Y. P. Panel, No. 142 |
| 1521 | | |
| 1481 | Ditto | |
| | | C. Panel, No. 142 |
| 1481 | | |
| 1442 | Ditto | |
| | | W. P. Panel, No. 143 |
| 1442 | | |
| 1403 | Ditto | |
| | | Y. P. Panel, No. 143 |
| 1403 | | |
| 1364 | Ditto | |
| | | C. Panel, No. 143 |

## No. 28, YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1764 | Wt. of ¼ gal. paint as received. | |
| 1687 | " " reduced paint before use. | |
| 1640 | " " " " after use. | |
| 47 | " " paint applied to | W. P. Panel, No. 124 |
| 1640 | | |
| 1600 | Ditto | |
| | | Y. P. Panel, No. 124 |
| 1600 | | |
| 1568 | Ditto | |
| | | C. Panel, No. 124 |

# Yellow Paint
# Second Coat

## No. 1, YELLOW PAINT.

### 2d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1403 | Wt. of paint before use. | |
| 1375 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 35 |
| 1375 | | |
| 1349 | Ditto | |
| 26 | | Y. P. Panel, No. 35 |
| 1349 | | |
| 1320 | Ditto | |
| 29 | | C. Panel, No. 35 |
| 1320 | | |
| 1293 | Ditto | |
| | | W. P. Panel, No. 36 |
| 1293 | | |
| 1267 | Ditto | |
| 26 | | Y. P. Panel, No. 36 |
| 1267 | | |
| 1243 | Ditto | |
| 24 | | C. Panel, No. 36 |

## No. 2, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1290 | Wt. of paint before use. | |
| 1262 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 37 |
| 1262 | | |
| 1235 | Ditto | |
| 27 | | Y. P. Panel, No. 37 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1235 | | |
| 1210 | Ditto | |
| 25 | | C. Panel, No. 37 |
| 1210 | | |
| 1184 | Ditto | |
| 26 | | W. P. Panel, No. 38 |
| 1184 | | |
| 1158 | Ditto | |
| 26 | | Y. P. Panel, No. 38 |
| 1158 | | |
| 1134 | Ditto | |
| 24 | | C. Panel, No. 38 |

## No. 3, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1605 | Wt. of paint before use. | |
| 1570 | " " " after use. | |
| 35 | " " " applied to | W. P. Panel, No. 39 |
| 1570 | | |
| 1536 | Ditto | |
| 34 | | Y. P. Panel, No. 39 |
| 1536 | | |
| 1503 | Ditto | |
| 33 | | C. Panel, No. 39 |
| 1503 | | |
| 1468 | Ditto | |
| 35 | | W. P. Panel, No. 40 |
| 1468 | | |
| 1434 | Ditto | |
| 34 | | Y. P. Panel, No. 40 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1434 | | |
| 1404 | Ditto | |
| 30 | | C. Panel, No. 40 |

## No. 4, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1374 | Wt. of paint before use. | |
| 1342 | " " " after use. | |
| 32 | " " " applied to | W. P. Panel, No. 41 |
| 1342 | | |
| 1311 | Ditto | |
| 31 | | Panel, No. 41 |
| 1311 | | |
| 1281 | Ditto | |
| 30 | | Panel, No. 41 |
| 1281 | | |
| 1249 | Ditto | |
| 32 | | W. P. Panel, No. 42 |
| 1249 | | |
| 1223 | Ditto | |
| 24 | | Y. P. Panel, No. 42 |
| 1223 | | |
| 1193 | Ditto | |
| 30 | | C. Panel. No. 42 |

## No. 5, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1307 | Wt. of paint before use. | |
| 1280 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 43 |
| 1280 | | |
| 1255 | Ditto | |
| 25 | | Y. P. Panel, No. 43 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1255 | | |
| 1227 | Ditto | |
| 28 | | C. Panel, No. 43 |
| 1227 | | |
| 1199 | Ditto | |
| 28 | | W. P. Panel, No. 44 |
| 1199 | | |
| 1171 | Ditto | |
| 28 | | Y. P. Panel, No. 44 |
| 1171 | | |
| 1147 | Ditto | |
| 24 | | C. Panel, No. 44 |

## No. 6, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1325 | Wt. of paint before use. | |
| 1297 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 45 |
| 1297 | | |
| 1270 | Ditto | |
| 27 | | Y. P. Panel, No. 45 |
| 1270 | | |
| 1245 | Ditto | |
| 25 | | C. Panel, No. 45 |
| 1245 | | |
| 1218 | Ditto | |
| 27 | | W. P. Panel, No. 46 |
| 1218 | | |
| 1191 | Ditto | |
| 27 | | Y. P. Panel, No. 46 |
| 1191 | | |
| 1167 | Ditto | |
| 24 | | C. Panel, No. 46 |

## No. 7, YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1540 | Wt. of paint before use. | | | |
| 1514 | " " " after use. | | | |
| 26 | " " " applied to | W. P. Panel, No. 47 | | |
| 1514 | | | | |
| 1485 | Ditto | | | |
| 29 | | Y. P. Panel, No. 47 | | |
| 1485 | | | | |
| 1461 | Ditto | | | |
| 24 | | C. Panel, No. 47 | | |
| 1461 | | | | |
| 1432 | Ditto | | | |
| 29 | | W. P. Panel, No. 48 | | |
| 1432 | | | | |
| 1404 | Ditto | | | |
| 28 | | Y. P. Panel, No. 48 | | |
| 1404 | | | | |
| 1378 | Ditto | | | |
| 26 | | C. Panel, No. 48 | | |

## No. 8, YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1383 | Wt. of paint before use. | | | |
| 1353 | " " " after use. | | | |
| 30 | " " " applied to | W. P. Panel, No. 49 | | |
| 1353 | | | | |
| 1323 | Ditto | | | |
| 30 | | Y. P. Panel, No. 49 | | |
| 1323 | | | | |
| 1295 | Ditto | | | |
| 28 | | C. Panel, No. 49 | | |
| 1295 | | | | |
| 1266 | Ditto | | | |
| 29 | | W. P. Panel, No. 50 | | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1266 | | |
| 1236 | Ditto | |
| 30 | | Y. P. Panel, No. 50 |
| 1236 | | |
| 1210 | Ditto | |
| 26 | | C. Panel, No. 50 |

## No. 9, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1157 | Wt. of paint before use. | |
| 1134 | " " " after use. | |
| 23 | " " " applied to | W. P. Panel, No. 51 |
| 1134 | | |
| 1112 | Ditto | |
| 22 | | Y. P. Panel, No. 51 |
| 1112 | | |
| 1091 | Ditto | |
| 21 | | C. Panel, No. 51 |
| 1091 | | |
| 1069 | Ditto | |
| 22 | | W. P. Panel, No. 52 |
| 1069 | | |
| 1046 | Ditto | |
| 23 | | Y. P. Panel, No. 52 |
| 1046 | | |
| 1023 | Ditto | |
| 23 | | C. Panel, No. 52 |

## No. 10, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1318 | Wt. of paint before use. | |
| 1294 | " " " after use. | |
| 24 | " " " applied to | W. P. Panel, No. 53 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1294 | | |
| 1264 | Ditto | |
| 25 | | Y. P. Panel, No. 53 |
| 1269 | | |
| 1243 | Ditto | |
| 24 | | C. Panel, No. 53 |
| 1243 | | |
| 1220 | Ditto | |
| 23 | | W. P. Panel, No. 54 |
| 1220 | | |
| 1195 | Ditto | |
| 25 | | Y. P. Panel, No. 54 |
| 1195 | | |
| 1171 | Ditto | |
| 24 | | C. Panel, No. 54 |

## No. 11, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1366 | Wt. of paint before use. | |
| 1338 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 55 |
| 1338 | | |
| 1313 | Ditto | |
| 25 | | Y. P. Panel, No. 55 |
| 1313 .. | | |
| 1288 | Ditto | |
| 25 | | C. Panel, No. 55 |
| 1288 | | |
| 1264 | Ditto | |
| 24 | | Panel, No. 56 |
| 1264 | | |
| 1236 | Ditto | |
| 28 | | Panel, No. 56 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1236 | | |
| 1207 | Ditto | |
| 29 | | Panel, No. 56 |

## No.12, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1298 | Wt. of paint before use. | |
| 1268 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 57 |
| 1268 | | |
| 1239 | Ditto | |
| 29 | | Y. P. Panel, No. 57 |
| 1239 | | |
| 1211 | Ditto | |
| 28 | | C. Panel, No. 57 |
| 1211 | | |
| 1181 | Ditto | |
| 30 | | W. P. Panel, No. 58 |
| 1181 | | |
| 1154 | Ditto | |
| 27 | | Y. P. Panel, No. 58 |
| 1154 | | |
| 1128 | Ditto | |
| 27 | | C. Panel, No. 58 |

## No. 13, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1335 | Wt. of paint before use. | |
| 1307 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 59 |
| 1307 | | |
| 1279 | Ditto | |
| 28 | | Y. P. Panel, No. 59 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1279 | | |
| 1254 | Ditto | |
| 25 | | C. Panel, No. 59 |
| 1254 | | |
| 1227 | Ditto | |
| 27 | | W. P. Panel, No. 60 |
| 1227 | | |
| 1197 | Ditto | |
| 30 | | Y. P. Panel, No. 60 |
| 1197 | | |
| 1166 | Ditto | |
| 31 | | C. Panel, No. 60 |

## No. 14, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1289 | Wt. of paint before use. | |
| 1261 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 61 |
| 1261 | | |
| 1232 | Ditto | |
| 29 | | Y. P. Panel, No. 61 |
| 1232 | | |
| 1205 | Ditto | |
| 27 | | C. Panel, No. 61 |
| 1205 | | |
| 1178 | Ditto | |
| 27 | | W. P. Panel, No. 62 |
| 1178 | | |
| 1153 | Ditto | |
| 25 | | Y. P. Panel, No. 62 |
| 1153 | | |
| 1124 | Ditto | |
| 29 | | C. Panel, No. 62 |

## No. 15, YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1404 | Wt. of paint before use. | | | | |
| 1376 | " | " | " | after use. | |
| 28 | " | " | " | applied to | W. P. Panel, No. 63 |
| 1376 | | | | | |
| 1346 | | | Ditto | | |
| 30 | | | | | Y. P. Panel, No. 63 |
| 1346 | | | | | |
| 1315 | | | Ditto | | |
| 31 | | | | | C. Panel, No. 63 |
| 1315 | | | | | |
| 1285 | | | Ditto | | |
| 30 | | | | | W. P. Panel, No. 64 |
| 1285 | | | | | |
| 1257 | | | Ditto | | |
| 28 | | | | | Y. P. Panel, No. 64 |
| 1257 | | | | | |
| 1227 | | | Ditto | | |
| 30 | | | | | C. Panel, No. 64 |

## No. 16, YELLOW PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1420 | Wt. of paint before use. | | | | |
| 1384 | " | " | " | after use. | |
| 36 | " | " | " | applied to | W. P. Panel, No. 65 |
| 1384 | | | | | |
| 1354 | | | Ditto | | |
| 30 | | | | | Y. P. Panel, No. 65 |
| 1354 | | | | | |
| 1324 | | | Ditto | | |
| 30 | | | | | C. Panel, No. 65 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1324 | | |
| 1295 | Ditto | |
| 29 | | W. P. Panel, No. 66 |
| 1295 | | |
| 1267 | Ditto | |
| 28 | | Y. P. Panel, No. 66 |
| 1267 | | |
| 1238 | Ditto | |
| 29 | | C. Panel, No. 66 |

## No. 17, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1432 | Wt. of paint before use. | |
| 1407 | " " " after use. | |
| 25 | " " " applied to | W. P. Panel, No. 67 |
| 1407 | | |
| 1383 | Ditto | |
| 24 | | Y. P. Panel, No. 67 |
| 1383 | | |
| 1354 | Ditto | |
| 29 | | C. Panel, No. 67 |
| 1354 | | |
| 1327 | Ditto | |
| 27 | | W. P. Panel, No. 68 |
| 1327 | | |
| 1299 | Ditto | |
| 28 | | Y. P. Panel, No. 68 |
| 1299 | | |
| 1273 | Ditto | |
| 26 | | C. Panel, No. 68 |

## No. 18, YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1497 | Wt. of paint before use. | | | | |
| 1463 | " | " | " | after use. | |
| 34 | " | " | " | applied to | W. P. Panel, No. 125 |
| 1463 | | | | | |
| 1435 | | | Ditto | | |
| 28 | | | | | Y. P. Panel, No. 125 |
| 1435 | | | | | |
| 1407 | | | Ditto | | |
| 28 | | | | | C. Panel, No. 125 |
| 1407 | | | | | |
| 1376 | | | Ditto | | |
| 31 | | | | | W. P. Panel, No. 126 |
| 1376 | | | | | |
| 1347 | | | Ditto | | |
| 29 | | | | | Y. P. Panel, No. 126 |
| 1347 | | | | | |
| 1313 | | | Ditto | | |
| 34 | | | | | C. Panel, No. 126 |

## No. 19, YELLOW PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1531 | Wt. of paint before use. | | | | |
| 1504 | " | " | " | after use. | |
| 27 | " | " | " | applied to | W. P. Panel, No. 127 |
| 1504 | | | | | |
| 1478 | | | Ditto | | |
| 26 | | | | | Y. P. Panel, No. 127 |
| 1478 | | | | | |
| 1452 | | | Ditto | | |
| 26 | | | | | C. Panel, No. 127 |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1452 | | | | | |
| 1427 | | | Ditto | | |
| 25 | | | | W. P. Panel, No. 128 | |
| 1427 | | | | | |
| 1400 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 128 | |
| 1400 | | | | | |
| 1374 | | | Ditto | | |
| 26 | | | | C. Panel, No. 128 | |

**No. 20, YELLOW PAINT.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1421 | Wt. of paint before use. | | | | |
| 1392 | " | " | " | after use. | |
| 29 | " | " | " | applied to | W. P. Panel, No. 129 |
| 1392 | | | | | |
| 1365 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 129 | |
| 1365 | | | | | |
| 1339 | | | Ditto | | |
| 26 | | | | C. Panel, No. 129 | |
| 1339 | | | | | |
| 1313 | | | Ditto | | |
| 26 | | | | W. P. Panel, No. 130 | |
| 1313 | | | | | |
| 1286 | | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 130 | |
| 1286 | | | | | |
| 1262 | | | Ditto | | |
| 24 | | | | C. Panel, No. 130 | |

**No. 21, YELLOW PAINT.**

**2d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 1311 | Wt. of paint before use. | | | | |
| 1284 | " | " | " | after use. | |
| 27 | " | " | " | applied to | W. P. Panel, No. 131 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1284 | | |
| 1262 | Ditto | |
| 22 | | Y. P. Panel, No. 131 |
| 1262 | | |
| 1239 | Ditto | |
| 23 | | C. Panel, No. 131 |
| 1239 | | |
| 1215 | Ditto | |
| 24 | | W. P. Panel, No. 132 |
| 1215 | | |
| 1194 | Ditto | |
| 21 | | Y. P. Panel, No. 132 |
| 1194 | | |
| 1173 | Ditto | |
| 21 | | C. Panel, No. 132 |

## No. 22, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1345 | Wt. of paint before use. | |
| 1316 | " " " after use. | |
| 29 | " " " applied to | W. P. Panel, No. 133 |
| 1316 | | |
| 1289 | Ditto | |
| 27 | | Y. P. Panel, No. 133 |
| 1289 | | |
| 1260 | Ditto | |
| 29 | | C. Panel, No. 133 |
| 1260 | | |
| 1230 | Ditto | |
| 30 | | W. P. Panel, No. 134 |
| 1230 | | |
| 1203 | Ditto | |
| 27 | | Y. P. Panel, No.134 |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1203 | | | | | |
| 1175 | | | Ditto | | |
| 28 | | | | | C. Panel, No. 134 |

## No. 23, YELLOW PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1296 | Wt. of paint before use. | | | | |
| 1272 | " | " | " | after use. | |
| 24 | " | " | " | applied to | W. P. Panel, No. 135 |
| 1272 | | | | | |
| 1247 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 135 |
| 1247 | | | | | |
| 1224 | | | Ditto | | |
| 23 | | | | | C. Panel, No. 135 |
| 1224 | | | | | |
| 1199 | | | Ditto | | |
| 25 | | | | | W. P. Panel, No. 136 |
| 1199 | | | | | |
| 1174 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 136 |
| 1174 | | | | | |
| 1148 | | | Ditto | | |
| 26 | | | | | C. Panel, No. 136 |

## No. 24, YELLOW PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1303 | Wt. of paint before use. | | | | |
| 1279 | " | " | " | after use. | |
| 24 | " | " | " | applied to | W. P. Panel, No. 137 |
| 1279 | | | | | |
| 1254 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 137 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1254 | | |
| 1228 | Ditto | |
| 26 | | C. Panel, No. 137 |
| 1228 | | |
| 1203 | Ditto | |
| 25 | | W. P. Panel, No. 138 |
| 1203 | | |
| 1178 | Ditto | |
| 25 | | Y. P. Panel, No. 138 |
| 1178 | | |
| 1150 | Ditto | |
| 28 | | C. Panel, No. 138 |

## No. 25, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1243 | Wt. of paint before use. | |
| 1222 | " " " after use. | |
| 21 | " " " applied to | W. P. Panel, No. 139 |
| 1222 | | |
| 1198 | Ditto | |
| 24 | | Y. P. Panel, No. 139 |
| 1198 | | |
| 1176 | Ditto | |
| 22 | | C. Panel, No. 139 |
| 1176 | | |
| 1151 | Ditto | |
| 25 | | W. P. Panel, No. 140 |
| 1151 | | |
| 1128 | Ditto | |
| 23 | | Y. P. Panel, No. 140 |
| 1128 | | |
| 1107 | Ditto | |
| 21 | | C. Panel, No. 140 |

## No. 26, YELLOW PAINT.

### 2d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1334 | Wt. of paint before use. | |
| 1307 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 141 |
| 1307 | | |
| 1281 | Ditto | |
| 26 | | Y. P. Panel, No. 141 |
| 1281 | | |
| 1255 | Ditto | |
| 26 | | C. Panel, No. 141 |
| 1255 | | |
| 1227 | Ditto | |
| 28 | | W. P. Panel, No. 142 |
| 1227 | | |
| 1200 | Ditto | |
| 27 | | Y. P. Panel, No. 142 |
| 1200 | | |
| 1176 | Ditto | |
| 24 | | C. Panel, No. 142 |

## No. 27, YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1299 | Wt. of paint before use. | |
| 1272 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 143 |
| 1272 | | |
| 1244 | Ditto | |
| 28 | | Y P. Panel, No. 143 |
| 1244 | | |
| 1218 | Ditto | |
| 26 | | C. Panel, No. 143 |
| 1218 | | |
| 1191 | Ditto | |
| 27 | | W. P. Panel, No. 144 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1191 | | |
| 1166 | Ditto | |
| 25 | | Y. P. Panel, No. 144 |
| 1166 | | |
| 1138 | Ditto | |
| 28 | | C. Panel, No. 144 |

# Yellow Paint
# Third Coat

## No. 1, YELLOW PAINT.

### 3d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2156 | Wt. of paint before use. | |
| 2130 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 35 |
| 2130 | | |
| 2102 | Ditto | |
| 28 | | ..'Y. P. Panel, No. 35 |
| 2102 | | |
| 2074 | Ditto | |
| 28 | | C. Panel, No. 35 |
| 2074 | | |
| 2046 | Ditto | |
| 28 | | W. P. Panel, No. 36 |
| 2046 | | |
| 2019 | Ditto | |
| 27 | | Y. P. Panel, No. 36 |
| 2019 | | |
| 1987 | Ditto | |
| 32 | | C. Panel, No. 36 |

## No. 2, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2298 | Wt. of paint before use. | |
| 2268 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 37 |
| 2268 | | |
| 2241 | Ditto | |
| 27 | | Y. P. Panel, No. 37 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2241 | | |
| 2213 | Ditto | |
| 28 | | C. Panel, No. 37 |
| 2213 | | |
| 2187 | Ditto | |
| 26 | | W. P. Panel, No. 38 |
| 2187 | | |
| 2159 | Ditto | |
| 28 | | Y. P. Panel, No. 38 |
| 2159 | | |
| 2133 | Ditto | |
| 26 | | C. Panel, No. 38 |

## No. 3, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2624 | Wt. of paint before use. | |
| 2586 | " " " after use. | |
| 38 | " " " applied to | W. P. Panel, No. 39 |
| 2586 | | |
| 2550 | Ditto | |
| 36 | | Y. P. Panel, No. 39 |
| 2550 | | |
| 2517 | Ditto | |
| 33 | | C. Panel, No. 39 |
| 2517 | | |
| 2482 | Ditto | |
| 35 | | W. P. Panel, No. 40 |
| 2482 | | |
| 2449 | Ditto | |
| 33 | | Y. P. Panel, No. 40 |
| 2449 | | |
| 2411 | Ditto | |
| 38 | | C. Panel, No. 40 |

## No. 4, YELLOW PAINT.

| Grammes. | 3d Coat. | Spreading Rate. |
|---|---|---|
| 2480 | Wt. of paint before use. | |
| 2444 | " " " after use. | |
| 36 | " " " applied to | W. P. Panel, No. 41 |
| 2444 | | |
| 2408 | Ditto | |
| 36 | | Y. P. Panel, No. 41 |
| 2404 | | |
| 2370 | Ditto | |
| 38 | | C. Panel, No. 41 |
| 2370 | | |
| 2330 | Ditto | |
| 40 | | W. P. Panel, No. 42 |
| 2330 | | |
| 2244 | Ditto | |
| 36 | | Y. P. Panel, No. 42 |
| 2294 | | |
| 2258 | Ditto | |
| 36 | | C. Panel, No. 42 |

## No. 5, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2138 | Wt. of paint before use. | |
| 2107 | " " " after use. | |
| 31 | " " " applied to | W. P. Panel, No. 43 |
| 2107 | | |
| 2081 | Ditto | |
| 26 | | Y. P. Panel, No. 43 |
| 2081 | | |
| 2051 | Ditto | |
| 30 | | C. Panel, No. 43 |
| 2051 | | |
| 2017 | Ditto | |
| 34 | | W. P. Panel, No. 44 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2017 | | |
| 1989 | Ditto | |
| 28 | | Y. P. Panel, No. 44 |
| 1989 | | |
| 1957 | Ditto | |
| 32 | | C. Panel, No. 44 |

## No. 6, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2210 | Wt. of paint before use. | |
| 2177 | " " " after use. | |
| 33 | " " " applied to | W. P. Panel, No. 45 |
| 2177 | | |
| 2145 | Ditto | |
| 32 | | Y. P. Panel, No. 45 |
| 2145 | | |
| 2112 | Ditto | |
| 33 | | C. Panel, No. 45 |
| 2112 | | |
| 2084 | Ditto | |
| 28 | | W. P. Panel, No. 46 |
| 2084 | | |
| 2050 | Ditto | |
| 34 | | Y. P. Panel, No. 46 |
| 2050 | | |
| 2020 | Ditto | |
| 30 | | C. Panel, No. 46 |

## No. 7, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2256 | Wt. of paint before use. | |
| 2222 | " " " after use. | |
| 34 | " " " applied to | W. P. Panel, No. 47 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2222 | | |
| 2190 | Ditto | |
| 32 | | Y. P. Panel, No. 47 |
| 2190 | | |
| 2157 | Ditto | |
| 33 | | C. Panel, No. 47 |
| 2157 | | |
| 2123 | Ditto | |
| 34 | | W. P. Panel, No. 48 |
| 2123 | | |
| 2092 | Ditto | |
| 31 | | Y. P. Panel, No. 48 |
| 2092 | | |
| 2061 | Ditto | |
| 31 | | C. Panel, No. 48 |

## No. 8, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2211 | Wt. of paint before use. | |
| 2183 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 49 |
| 2183 | | |
| 2153 | Ditto | |
| 30 | | Y. P. Panel, No. 49 |
| 2153 | | |
| 2120 | Ditto | |
| 33 | | C. Panel, No. 49 |
| 2120 | | |
| 2090 | Ditto | |
| 30 | | W. P. Panel, No. 50 |
| 2090 | | |
| 2058 | Ditto | |
| 32 | | Y. P. Panel, No. 50 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2058 | | |
| 2027 | Ditto | |
| 31 | | C. Panel, No. 50 |

## No. 9, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 1879 | Wt. of paint before use. | |
| 1853 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 51 |
| 1853 | | |
| 1828 | Ditto | |
| 25 | | Y. P. Panel, No. 51 |
| 1828 | | |
| 1807 | Ditto | |
| 21 | | C. Panel, No. 51 |
| 1807 | | |
| 1783 | Ditto | |
| 24 | | W. P. Panel, No. 52 |
| 1783 | | |
| 1760 | Ditto | |
| 23 | | Y. P. Panel, No. 52 |
| 1760 | | |
| 1737 | Ditto | |
| 23 | | C. Panel, No. 52 |

## No. 10, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2225 | Wt. of paint before use. | |
| 2187 | " " " after use. | |
| 38 | " " " applied to | W. P. Panel, No. 53 |
| 2187 | | |
| 2152 | Ditto | |
| 35 | | Y. P. Panel, No. 53 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2152 | | |
| 2118 | Ditto | |
| 34 | | C. Panel, No. 53 |
| 2118 | | |
| 2087 | Ditto | |
| 31 | | W. P. Panel, No. 54 |
| 2087 | | |
| 2054 | Ditto | |
| 33 | | Y. P. Panel, No. 54 |
| 2054 | | |
| 2019 | Ditto | |
| 35 | | C. Panel, No. 54 |

## No. 11, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2292 | Wt. of paint before use. | |
| 2257 | " " " after use. | |
| 35 | " " " applied to | W. P. Panel, No. 55 |
| 2257 | | |
| 2224 | Ditto | |
| 33 | | Y. P. Panel, No. 55 |
| 2224 | | |
| 2188 | Ditto | |
| 36 | | C. Panel, No. 55 |
| 2188 | | |
| 2154 | Ditto | |
| 34 | | W. P. Panel, No. 56 |
| 2154 | | |
| 2122 | Ditto | |
| 32 | | Y. P. Panel, No. 56 |
| 2122 | | |
| 2089 | Ditto | |
| 33 | | C. Panel, No. 56 |

## No. 12, YELLOW PAINT.

| Grammes. | 3d Coat. | Spreading Rate. |
|---|---|---|
| 2170 | Wt. of paint before use. | |
| 2131 | " " " after use. | |
| 39 | " " " applied to | W. P. Panel, No. 57 |
| 2131 | | |
| 2096 | Ditto | |
| 35 | | Y. P. Panel, No. 57 |
| 2096 | | |
| 2058 | Ditto | |
| 38 | | C. Panel, No. 57 |
| 2058 | | |
| 2019 | Ditto | |
| 39 | | W. P. Panel, No. 58 |
| 2019 | | |
| 1988 | Ditto | |
| 31 | | Y. P. Panel, No. 58 |
| 1988 | | |
| 1953 | Ditto | |
| 35 | | C. Panel, No. 58 |

## No. 13, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2208 | Wt. of paint before use. | |
| 2167 | " " " after use. | |
| 41 | " " " applied to | W. P. Panel, No. 59 |
| 2167 | | |
| 2125 | Ditto | |
| 42 | | Y. P. Panel, No. 59 |
| 2125 | | |
| 2092 | Ditto | |
| 33 | | C. Panel, No. 59 |
| 2092 | | |
| 2055 | Ditto | |
| 37 | | W. P. Panel, No. 60 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2055 | | | | |
| 2016 | | | Ditto | |
| 39 | | | | Y. P. Panel, No. 60 |
| 2016 | | | | |
| 1979 | | | Ditto | |
| 37 | | | | C. Panel, No. 60 |

## No. 14, YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2055 | Wt. of paint before use. | | | |
| 2017 | " " " | after use. | | |
| 38 | " " " | applied to | | W. P. Panel, No. 61 |
| 2017 | | | | |
| 1980 | | | Ditto | |
| 37 | | | | Y. P. Panel, No. 61 |
| 1980 | | | | |
| 1947 | | | Ditto | |
| 33 | | | | C. Panel, No. 61 |
| 1947 | | | | |
| 1912 | | | Ditto | |
| 35 | | | | W. P. Panel, No. 62 |
| 1912 | | | | |
| 1878 | | | Ditto | |
| 34 | | | | Y. P. Panel, No. 62 |
| 1878 | | | | |
| 1845 | | | Ditto | |
| 33 | | | | C. Panel, No. 62 |

## No. 15, YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2409 | Wt. of paint before use. | | | |
| 2376 | " " " | after use. | | |
| 33 | " " " | applied to | | W. P. Panel, No. 63 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2376 | | |
| 2341 | Ditto | |
| 35 | | Y. P. Panel, No. 63 |
| 2341 | | |
| 2305 | Dtito | |
| 36 | | C. Panel, No. 63 |
| 2305 | | |
| 2269 | Ditto | |
| 36 | | W. P. Panel, No. 64 |
| 2269 | | |
| 2234 | Ditto | |
| 35 | | Y. P. Panel, No. 64 |
| 2234 | | |
| 2201 | Ditto | |
| 33 | | C. Panel, No. 64 |

## No. 16, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2433 | Wt. of paint before use. | |
| 2394 | " " " after use. | |
| 39 | " " " applied to | W. P. Panel, No. 65 |
| 2394 | | |
| 2356 | Ditto | |
| 38 | | Y. P. Panel, No. 65 |
| 2356 | | |
| 2318 | Ditto | |
| 38 | | C. Panel, No. 65 |
| 2318 | | |
| 2280 | Ditto | |
| 38 | | W. P. Panel, No. 66 |
| 2280 | | |
| 2241 | Ditto | |
| 39 | | Y. P. Panel, No. 66 |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2241 | | | | | |
| 2204 | | | Ditto | | |
| 37 | | | | | C. Panel, No. 66 |

## No. 17, YELLOW PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2300 | Wt. of paint before use. | | | | |
| 2270 | " | " | " | after use. | |
| 30 | " | " | " | applied to | W. P. Panel, No. 67 |
| 2270 | | | | | |
| 2239 | | | Ditto | | |
| 31 | | | | | Y. P. Panel, No. 67 |
| 2239 | | | | | |
| 2205 | | | Ditto | | |
| 34 | | | | | C. Panel, No. 67 |
| 2205 | | | | | |
| 2172 | | | Ditto | | |
| 33 | | | | | W. P. Panel, No. 68 |
| 2172 | | | | | |
| 2140 | | | Ditto | | |
| 32 | | | | | Y. P. Panel, No. 68 |
| 2140 | | | | | |
| 2110 | | | Ditto | | |
| 30 | | | | | C. Panel, No. 68 |

## No. 18, YELLOW PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2453 | Wt. of paint before use. | | | | |
| 2413 | " | " | " | after use. | |
| 40 | " | " | " | applied to | W. P. Panel, No. 125 |
| 2413 | | | | | |
| 2378 | | | Ditto | | |
| 35 | | | | | Y. P. Panel, No. 125 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2378 | | |
| 2346 | Ditto | |
| 32 | | C. Panel, No. 125 |
| 2346 | | |
| 2313 | Ditto | |
| 33 | | W. P. Panel, No. 126 |
| 2313 | | |
| 2276 | Ditto | |
| 37 | | Y. P. Panel, No.126 |
| 2276 | | |
| 2243 | Ditto | |
| 33 | | W. P. Panel, No. 126 |

## No. 19, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2453 | Wt. of paint before use. | |
| 2423 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 127 |
| 2423 | | |
| 2392 | Ditto | |
| 31 | | Y. P. Panel, No. 127 |
| 2392 | | |
| 2362 | Ditto | |
| 30 | | C. Panel, No. 127 |
| 2362 | | |
| 2332 | Ditto | |
| 30 | | W. P. Panel, No. 128 |
| 2332 | | |
| 2300 | Ditto | |
| 32 | | Y. P. Panel, No. 128 |
| 2300 | | |
| 2268 | Ditto | |
| 32 | | C. Panel, No. 128 |

## No. 20, YELLOW PAINT.

| Grammes. | 3d Coat. | Spreading Rate. |
|---|---|---|
| 2327 | Wt. of paint before use. | |
| 2288 | " " " after use. | |
| 39 | " " " applied to | W. P. Panel, No. 129 |
| 2288 | | |
| 2247 | Ditto | |
| 41 | | Y. P. Panel, No. 129 |
| 2247 | | |
| 2213 | Ditto | |
| 34 | | C. Panel, No. 129 |
| 2213 | | |
| 2175 | Ditto | |
| 38 | | W. P. Panel, No. 130 |
| 2175 | | |
| 2140 | Ditto | |
| 35 | | Y. P. Panel, No.130 |
| 2140 | | |
| 2102 | Ditto | |
| 38 | | C. Panel, No. 130 |

## No. 21, YELLOW PAINT.

| | 3d Coat. | |
|---|---|---|
| 2123 | Wt. of paint before use. | |
| 2093 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 131 |
| 2093 | | |
| 2066 | Ditto | |
| 27 | | Y. P. Panel, No. 131 |
| 2066 | | |
| 2034 | Ditto | |
| 32 | | C. Panel, No. 131 |
| 2034 | | |
| 2001 | Ditto | |
| 33 | | W. P. Panel, No. 132 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2001 | | |
| 1972 | Ditto | |
| 29 | | Y. P. Panel, No. 132 |
| 1972 | | |
| 1944 | Ditto | |
| 28 | | C. Panel, No. 132 |

## No. 22, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2311 | Wt. of paint before use. | |
| 2275 | " " " after use. | |
| 36 | " " " applied to | W. P. Panel, No. 133 |
| 2275 | | |
| 2244 | Ditto | |
| 31 | | Y. P. Panel, No. 133 |
| 2244 | | |
| 2213 | Ditto | |
| 31 | | C. Panel, No. 133 |
| 2213 | | |
| 2182 | Ditto | |
| 31 | | W. P. Panel, No. 134 |
| 2182 | | |
| 2151 | Ditto | |
| 31 | | Y. P. Panel, No. 134 |
| 2151 | | |
| 2116 | Ditto | |
| 35 | | C. Panel, No. 134 |

## No. 23, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2176 | Wt. of paint before use. | |
| 2146 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 135 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2146 | | |
| 2117 | Ditto | |
| 29 | | Y. P. Panel, No. 135 |
| 2117 | | |
| 2085 | Ditto | |
| 32 | | C. Panel, No. 135 |
| 2085 | | |
| 2055 | Ditto | |
| 30 | | W. P. Panel, No. 136 |
| 2055 | | |
| 2025 | Ditto | |
| 30 | | Y. P. Panel, No. 136 |
| 2025 | | |
| 1996 | Ditto | |
| 29 | | C. Panel, No. 136 |

## No. 24, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2185 | Wt. of paint before use. | |
| 2155 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 137 |
| 2155 | | |
| 2124 | Ditto | |
| 31 | | Y. P. Panel, No. 137 |
| 2124 | | |
| 2092 | Ditto | |
| 32 | | C. Panel, No. 137 |
| 2092 | | |
| 2059 | Ditto | |
| 33 | | W. P. Panel, No. 138 |
| 2059 | | |
| 2028 | Ditto | |
| 31 | | Y. P. Panel, No. 138 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2028 | | |
| 1997 | Ditto | |
| 31 | | C. P. Panel, No. 138 |

## No. 25, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2118 | Wt. of paint before use. | |
| 2094 | " " " after use. | |
| 24 | " " " applied to | W. P. Panel, No. 139 |
| 2094 | | |
| 2069 | Ditto | |
| 25 | | Y. P. Panel, No. 139 |
| 2069 | | |
| 2040 | Ditto | |
| 29 | | C. Panel, No. 139 |
| 2040 | | |
| 2010 | Ditto | |
| 30 | | W. P. Panel, No. 140 |
| 2010 | | |
| 1987 | Ditto | |
| 23 | | Y. P. Panel, No. 140 |
| 1987 | | |
| 1957 | Ditto | |
| 30 | | C. Panel, No. 140 |

## No. 26, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2172 | Wt. of paint before use. | |
| 2146 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 141 |
| 2146 | | |
| 2115 | Ditto | |
| 31 | | Y. P. Panel, No. 141 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2115 | | |
| 2090 | Ditto | |
| 25 | | C. Panel, No. 141 |
| 2090 | | |
| 2061 | Ditto | |
| 29 | | W. P. Panel, No. 142 |
| 2061 | | |
| 2027 | Ditto | |
| 34 | | Y. P. Panel, No. 142 |
| 2027 | | |
| 2000 | Ditto | |
| 27 | | C. Panel, No. 142 |

## No. 27, YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2177 | Wt. of paint before use. | |
| 2149 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 143 |
| 2149 | | |
| 2117 | Ditto | |
| 32 | | Y. P. Panel, No. 143 |
| 2117 | | |
| 2088 | Ditto | |
| 29 | | C. Panel, No. 143 |
| 2088 | | |
| 2061 | Ditto | |
| 27 | | W. P. Panel, No. 144 |
| 2061 | | |
| 2032 | Ditto | |
| 29 | | Y. P. Panel, No. 144 |
| 2032 | | |
| 2002 | Ditto | |
| 30 | | C. Panel, No. 144 |

## No. 28, YELLOW PAINT.

### 3d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2155 | Wt. of paint before use. | |
| 2122 | " " " after use. | |
| 33 | " " " applied to W. P. Panel, No. 124 | |
| 2122 | | |
| 2089 | Ditto | |
| 33 | Y. P. Panel, No. 124 | |
| 2089 | | |
| 2055 | Ditto | |
| 34 | C. Panel, No. 124 | |

Gray Paint
First Coat

## No. 1, GRAY PAINT.

### 1st Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1716 | Wt. of ¼ gal. paint as received. | |
| 1566 | " " reduced paint before use. | |
| 1529 | " " " " after use. | |
| 37 | " " paint applied to | W. P. Panel, No. 69 |
| 1529 | | |
| 1488 | Ditto | |
| 41 | | Y. P. Panel, No. 69 |
| 1488 | | |
| 1452½ | Ditto | |
| 36½ | | C. Panel, No. 69 |
| 1452 | | |
| 1412 | Ditto | |
| 40 | | W. P. Panel, No. 70 |
| 1412 | | |
| 1374 | Ditto | |
| 38 | | Y. P. Panel, No. 70 |
| 1374 | | |
| 1338 | Ditto | |
| 36 | | C. Panel, No. 70 |

## No. 2, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1851 | Wt. of ¼ gal. paint as received. | |
| 1642 | " " reduced paint before use. | |
| 1599 | " " " " after use. | |
| 43 | " " paint applied to | W. P. Panel, No. 71 |
| 1599 | | |
| 1560½ | Ditto | |
| 39½ | | Y. P. Panel, No. 71 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1560½ | | |
| 1521½ | Ditto | |
| 39 | | C. Panel, No. 71 |
| 1521½ | | |
| 1480½ | Ditto | |
| 41 | | W. P. Panel, No. 72 |
| 1480½ | | |
| 1441½ | Ditto | |
| 39 | | Y. P. Panel, No. 72 |
| 1441½ | | |
| 1406 | Ditto | |
| 35½ | | C. Panel, No. 72 |

## No. 3, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1780 | Wt. of ¼ gal. paint as received. | |
| 1625 | " " reduced paint before use. | |
| 1589 | " " " " after use. | |
| 36 | " " paint applied to | W. P. Panel, No. 73 |
| 1589 | | |
| 1548 | Ditto | |
| 41 | | Y. P. Panel, No. 73 |
| 1548 | | |
| 1508 | Ditto | |
| 40 | | C. Panel, No. 73 |
| 1508 | | |
| 1465 | Ditto | |
| 43 | | W. P. Panel, No. 74 |
| 1465 | | |
| 1422 | Ditto | |
| 43 | | Y. P. Panel, No. 74 |
| 1422 | | |
| 1382 | Ditto | |
| 40 | | C. Panel, No. 74 |

## No. 4, GRAY PAINT.

| Grammes | 1st Coat. | Spreading Rate. |
|---|---|---|
| 2047½ | Wt. of ¼ gal. paint as received. | |
| 1754 | " " reduced paint before use. | |
| 1714 | " " " " after use. | |
| 40 | " " paint applied to W. P. Panel, No. 75 | |
| 1714 | | |
| 1677 | Ditto | |
| 37 | Y. P. Panel, No. 75 | |
| 1677 | | |
| 1633 | Ditto | |
| 44 | C. Panel, No. 75 | |
| 1633 | | |
| 1586 | Ditto | |
| 47 | W. P. Panel, No. 76 | |
| 1586 | | |
| 1545 | Ditto | |
| 41 | Y. P. Panel, No. 76 | |
| 1545 | | |
| 1499 | Ditto | |
| 46 | C. Panel, No. 76 | |

## No. 5, GRAY PAINT.

### 1st Coat.

| | |
|---|---|
| 1677 | Wt. of ¼ gal. paint as received. |
| 1573 | " " reduced paint before use |
| 1534 | " " " " after use. |
| 39 | " " paint applied to W. P. Panel, No. 77 |
| 1534 | |
| 1497 | Ditto |
| 37 | Y. P. Panel, No. 77 |
| 1497 | |
| 1459 | Ditto |
| 38 | C. Panel, No. 77 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1459 | | |
| 1420 | Ditto | |
| 39 | | W. P. Panel, No. 78 |
| 1420 | | |
| 1381 | Ditto | |
| 39 | | Y. P. Panel, No. 78 |
| 1381 | | |
| 1342 | Ditto | |
| 39 | | C. Panel, No. 78 |

## No. 6, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1794 | Wt. of ¼ gal. paint as received. | |
| 1599½ | " " reduced paint before use. | |
| 1562 | " " " " after use. | |
| 36½ | " " paint applied to | W. P. Panel, No. 79 |
| 1562 | | |
| 1523 | Ditto | |
| 39 | | Y. P. Panel, No. 79 |
| 1523 | | |
| 1491 | Ditto | |
| 32 | | C. Panel, No. 79 |
| 1491 | | |
| 1451 | Ditto | |
| 40 | | W. P. Panel, No. 80 |
| 1451 | | |
| 1423 | Ditto | |
| 28 | | Y. P. Panel, No. 80 |
| 1423 | | |
| 1384 | Ditto | |
| 39 | | C. Panel, No. 80 |

## No. 7, GRAY PAINT.

### 1st Coat.

| Grammes | | | Spreading Rate. |
|---|---|---|---|
| 1827½ | Wt. of ¼ gal. paint as received. | | |
| 1661 | " " reduced paint before use. | | |
| 1626½ | " " " " after use. | | |
| 35½ | " " paint applied to | W. P. Panel, No. 81 | |
| 1626½ | | | |
| 1587 | Ditto | | |
| 37½ | | Y. P. Panel, No. 81 | |
| 1587 | | | |
| 1554½ | Ditto | | |
| 33½ | | C. Panel, No. 81 | |
| 1554½ | | | |
| 1513½ | Ditto | | |
| 41 | | W. P. Panel, No. 82 | |
| 1513½ | | | |
| 1477½ | Ditto | | |
| 36 | | Y. P. Panel, No. 82 | |
| 1477½ | | | |
| 1442 | Ditto | | |
| 35½ | | C. Panel, No. 82 | |

## No. 8, GRAY PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1735 | Wt. of ¼ gal. paint as received. | | |
| 1604 | " " reduced paint before use. | | |
| 1562½ | " " " " after use. | | |
| 31½ | " " paint applied to | W. P. Panel, No. 83 | |
| 1562½ | | | |
| 1524½ | Ditto | | |
| 38 | | Y. P. Panel, No. 83 | |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1524½ | | |
| 1495 | Ditto | |
| 28½ | | C. Panel, No. 83 |
| 1495 | | |
| 1459 | Ditto | |
| 36 | | W. P. Panel, No. 84 |
| 1459 | | |
| 1422 | Ditto | |
| 37 | | Y. P. Panel, No. 84 |
| 1422 | | |
| 1380 | Ditto | |
| 42 | | C. Panel, No. 84 |

## No. 9, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1543 | Wt. of ¼ gal. paint as received. | |
| 1396 | " " reduced paint before use. | |
| 1361 | " " " " after use. | |
| 35 | " " paint applied to | W. P. Panel, No. 85 |
| 1361 | | |
| 1325 | Ditto | |
| 36 | | Y. P. Panel, No. 85 |
| 1325 | | |
| 1284 | Ditto | |
| 41 | | C. Panel, No. 85 |
| 1284 | | |
| 1251 | Ditto | |
| 33 | | W. P. Panel, No. 86 |
| 1251 | | |
| 1218 | Ditto | |
| 33 | | Y. P. Panel, No. 86 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1218 | | |
| 1179 | Ditto | |
| 39 | | C. Panel, No. 86 |

## No. 10, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1869 | Wt. of ¼ gal. paint as received. | |
| 1638½ | " " reduced paint before use. | |
| 1599 | " " " " after use. | |
| 38½ | " " paint applied to | W. P. Panel. No. 87 |
| 1599 | | |
| 1557½ | Ditto | |
| 41½ | | Y. P. Panel, No. 87 |
| 1557½ | | |
| 1516 | Ditto | |
| 40½ | | C. Panel, No. 87 |
| 1516 | | |
| 1476½ | Ditto | |
| 40½ | | W. P. Panel, No. 88 |
| 1476½ | | |
| 1439½ | Ditto | |
| 37 | | Y. P. Panel, No. 88 |
| 1439½ | | |
| 1398½ | Ditto | |
| 40 | | C. Panel, No. 88 |

## No. 11, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1797 | Wt. of ¼ gal. paint as received. | |
| 1553 | " " reduced paint before use. | |
| 1500 | " " " " after use. | |
| 53 | " " paint applied to | W. P. Panel No. 89 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1500 | | |
| 1461 | Ditto | |
| 39 | | Y. P. Panel, No. 89 |
| 1461 | | |
| 1421½ | Ditto | |
| 40½ | | C. Panel, No. 89 |
| 1421½ | | |
| 1379½ | Ditto | |
| 42 | | W. P. Panel, No. 90 |
| 1379½ | | |
| 1332½ | Ditto | |
| 47 | | Y. P. Panel, No. 90 |
| 1332½ | | |
| 1284 | Ditto | |
| 77½ | | C. Panel, No. 90 |

## No. 12, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1876½ | Wt. of ¼ gal. paint as received. | |
| 1596½ | " " reduced paint before use. | |
| 1546 | " " " " after use. | |
| 40½ | " " paint applied to | W. P. Panel No. 91 |
| 1546 | | |
| 1492 | Ditto | |
| 54 | | Y. P. Panel, No. 91 |
| 1492 | | |
| 1448 | Ditto | |
| 44 | | C. Panel, No. 91 |
| 1448 | | |
| 1407 | Ditto | |
| 41 | | W. P. Panel, No. 92 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1407 | | |
| 1365 | Ditto | |
| 42 | | Y. P. Panel, No. 92 |
| 1365 | | |
| 1326½ | Ditto | |
| 39½ | | C. Panel, No. 92 |

## No. 13, GRAY PAINT,

### 1st Coat.

| | | |
|---|---|---|
| 1688 | Wt. of ¼ gal. paint as received. | |
| 1522 | " " reduced paint before use. | |
| 1476 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 93 |
| 1476 | | |
| 1431 | Ditto | |
| | | Y. P. Panel, No. 93 |
| 1431 | | |
| 1386 | Ditto | |
| | | C. Panel, No. 93 |
| 1386 | | |
| 1343 | Ditto | |
| | | W. P. Panel, No. 94 |
| 1343 | | |
| 1301 | Ditto | |
| | | Y. P. Panel, No. 94 |
| 1301 | | |
| 1262 | Ditto | |
| | | C. Panel, No. 94 |

## No. 14, GRAY PAINT.

### 1st Coat.

| Grammes | | Spreading Rate. |
|---|---|---|
| 1767 | Wt. of ¼ gal. paint as received. | |
| 1532½ | " " reduced paint before use. | |
| 1485 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 95 |
| 1485 | | |
| 1446½ | Ditto | |
| | | Y. P. Panel, No. 95 |
| 1446½ | | |
| 1406 | Ditto | |
| | | C. Panel, No. 95 |
| 1406 | | |
| 1362 | Ditto | |
| | | W. P. Panel, No. 96 |
| 1362 | | |
| 1321 | Ditto | |
| | | Y. P. Panel, No. 96 |
| 1321 | | |
| 1283½ | Ditto | |
| | | C. Panel, No. 96 |

## No. 15, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1721 | Wt. of ¼ gal. paint as received. | |
| 1557 | " " reduced paint before use. | |
| 1516 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 97 |
| 1516 | | |
| 1479 | Ditto | |
| | | Y. P. Panel, No. 97 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1479 | | |
| 1443 | Ditto | |
| | | C. Panel, No. 97 |
| 1443 | | |
| 1402 | Ditto | |
| | | W. P. Panel, No. 98 |
| 1402 | | |
| 1363 | Ditto | |
| | | Y. P. Panel, No. 98 |
| 1363 | | |
| 1320 | Ditto | |
| | | C. Panel, No. 98 |

## No. 16, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1953 | Wt. of ¼ gal. paint as received. | |
| 1705½ | " " reduced paint before use. | |
| 1660 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 99 |
| 1660 | | |
| 1615 | Ditto | |
| | | Y. P. Panel, No. 99 |
| 1615 | | |
| 1570 | Ditto | |
| | | C. Panel, No. 99 |
| 1570 | | |
| 1521 | Ditto | |
| | | W. P. Panel, No. 100 |
| 1521 | | |
| 1474 | Ditto | |
| | | Y. P. Panel, No. 100 |
| 1474 | | |
| 1435 | Ditto | |
| | | C. Panel, No. 100 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1561 | | |
| 1520 | Ditto | |
| | | W. P. Panel, No. 104 |
| 1520 | | |
| 1476 | Ditto | |
| | | Y. P. Panel, No. 104 |
| 1476 | | |
| 1426 | Ditto | |
| | | C. Panel, No. 104 |

## No. 19, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1872 | Wt. of ¼ gal. paint as received. | |
| 1615½ | " " reduced paint before use. | |
| 1573½ | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 105 |
| 1573½ | | |
| 1534 | Ditto | |
| | | Y. P. Panel, No. 105 |
| 1534 | | |
| 1490 | Ditto | |
| | | C. Panel, No. 105 |
| 1490 | | |
| 1450 | Ditto | |
| | | W. P. Panel, No. 106 |
| 1450 | | |
| 1405 | Ditto | |
| | | Y. P. Panel, No. 106 |
| 1405 | | |
| 1370 | Ditto | |
| | | C. Panel, No. 106 |

## No. 17, GRAY PAINT.

| Grammes | 1st Coat. | Spreading Rate. |
|---|---|---|
| 1814 | Wt. of ¼ gal. paint as received. | |
| 1640 | " " reduced paint before use. | |
| 1592 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 101 | |
| 1592 | | |
| 1548 | Ditto | |
| | Y. P. Panel, No. 101 | |
| 1548 | | |
| 1513 | Ditto | |
| | C. Panel, No. 101 | |
| 1513 | | |
| 1460 | Ditto | |
| | W. P. Panel, No. 102 | |
| 1460 | | |
| 1420½ | Ditto | |
| | Y. P. Panel, No. 102 | |
| 1420½ | | |
| 1383½ | Ditto | |
| | C. Panel, No. 102 | |

## No. 18, GRAY PAINT.

| | 1st Coat. | |
|---|---|---|
| 1973 | Wt. of ¼ gal. paint as received. | |
| 1679½ | " " reduced paint before use. | |
| 1637½ | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 103 | |
| 1637½ | | |
| 1598 | Ditto | |
| | Y. P. Panel, No. 103 | |
| 1598 | | |
| 1561 | Ditto | |
| | C. Panel, No. 103 | |

## No. 20, GRAY PAINT.

| Grammes | 1st Coat. | Spreading Rate. |
|---|---|---|
| 1883 | Wt. of ¼ gal. paint as received. | |
| 1664 | " " reduced paint before use. | |
| 1627 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 107 | |
| 1627 | | |
| 1599 | Ditto | |
| | Y. P. Panel, No. 107 | |
| 1579 | | |
| 1545 | Ditto | |
| | C. Panel, No. 107 | |
| 1545 | | |
| 1505 | Ditto | |
| | W. P. Panel, No. 108 | |
| 1505 | | |
| 1466 | Ditto | |
| | Y. P. Panel, No. 108 | |
| 1466 | | |
| 1429 | Ditto | |
| | C. Panel, No. 108 | |

## No. 21, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1622 | Wt. of ¼ gal. paint as received. | |
| 1530 | " " reduced paint before use. | |
| 1493 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 109 | |
| 1493 | | |
| 1459 | Ditto | |
| | Y. P. Panel, No. 109 | |
| 1459 | | |
| 1426 | Ditto | |
| | C. Panel, No. 109 | |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1426 | | |
| 1388 | Ditto | |
| | | W. P. Panel, No. 110 |
| 1388 | | |
| 1348 | Ditto | |
| | | Y. P. Panel, No. 110 |
| 1348 | | |
| 1306 | Ditto | |
| | | C. Panel, No. 110 |

## No. 22, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1765 | Wt. of ¼ gal. paint as received. | |
| 1590 | " " reduced paint before use. | |
| 1551 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 111 |
| 1551 | | |
| 1498 | Ditto | |
| | | Y. P. Panel, No. 111 |
| 1498 | | |
| 1456 | Ditto | |
| | | C. Panel, No. 111 |
| 1456 | | |
| 1411 | Ditto | |
| | | W. P. Panel, No. 112 |
| 1411 | | |
| 1370 | Ditto | |
| | | Y. P. Panel, No. 112 |
| 1370 | | |
| 1327 | Ditto | |
| | | C. Panel, No. 112 |

## No. 23, GRAY PAINT.

| Grammes | 1st Coat. | Spreading Rate. |
|---|---|---|
| 1677 | Wt. of ¼ gal. paint as received. | |
| 1534 | " " reduced paint before use. | |
| 1486 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 113 | |
| 1486 | | |
| 1448 | Ditto | |
| | Y. P. Panel, No. 113 | |
| 1448 | | |
| 1411 | Ditto | |
| | C. Panel, No. 113 | |
| 1411 | | |
| 1374 | Ditto | |
| | W. P. Panel, No. 114 | |
| 1374 | | |
| 1336 | Ditto | |
| | Y. P. Panel, No. 114 | |
| 1336 | | |
| 1296 | Ditto | |
| | C. Panel, No. 114 | |

## No. 24, GRAY PAINT.

### 1st Coat.

| | |
|---|---|
| 1642 | Wt. of ¼ gal. paint as received. |
| 1567 | " " reduced paint before use. |
| 1530 | " " " " after use. |
| | " " paint applied to W. P. Panel, No. 115 |
| 1530 | |
| 1491 | Ditto |
| | Y. P. Panel, No. 115 |
| 1491 | |
| 1455 | Ditto |
| | C. Panel, No. 115 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1455 | | |
| 1415 | Ditto | |
| | | W. P. Panel, No. 116 |
| 1415 | | |
| 1370 | Ditto | |
| | | Y. P. Panel, No. 116 |
| 1370 | | |
| 1340 | Ditto | |
| | | C. Panel, No. 116 |

## No. 25, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1667 | Wt. of ¼ gal. paint as received. | |
| 1543 | " " reduced paint before use. | |
| 1502 | " " " " after use. | |
| | " " paint applied to | W. P. Panel, No. 117 |
| 1502 | | |
| 1459 | Ditto | |
| | | Y. P. Panel, No. 117 |
| 1459 | | |
| 1424 | Ditto | |
| | | C. Panel, No. 117 |
| 1424 | | |
| 1387 | Ditto | |
| | | W. P. Panel, No. 118 |
| 1387 | | |
| 1348 | Ditto | |
| | | Y. P. Panel, No. 118 |
| 1348 | | |
| 1308 | Ditto | |
| | | C. Panel, No. 118 |

## No. 26, GRAY PAINT.

### 1st Coat.

| Grammes | | Spreading Rate. |
|---|---|---|
| 1741 | Wt. of ¼ gal. paint as received. | |
| 1585 | " " reduced paint before use. | |
| 1545 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 119 | |
| 1545 | | |
| 1500 | Ditto | |
| | Y. P. Panel, No. 119 | |
| 1500 | | |
| 1451 | Ditto | |
| | C. Panel, No. 119 | |
| 1451 | | |
| 1408 | Ditto | |
| | W. P. Panel, No. 120 | |
| 1408 | | |
| 1357 | Ditto | |
| | Y. P. Panel, No. 120 | |
| 1357 | | |
| 1319 | Ditto | |
| | C. Panel, No. 120 | |

## No. 27, GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1671 | Wt. of ¼ gal. paint as received. | |
| 1554 | " " reduced paint before use. | |
| 1513 | " " " " after use. | |
| | " " paint applied to W. P. Panel, No. 121 | |
| 1513 | | |
| 1476 | Ditto | |
| | Y. P. Panel, No. 121 | |
| 1476 | | |
| 1438 | Ditto | |
| | C. Panel, No. 121 | |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1438 | | |
| 1399 | Ditto | |
| | | W. P. Panel, No. 122 |
| 1399 | | |
| 1357 | Ditto | |
| | | Y. P. Panel, No. 122 |
| 1357 | | |
| 1312 | Ditto | |
| | | C. Panel, No. 122 |

Gray Paint
Second Coat

## No. 1, GRAY PAINT.

| Grammes | 2d Coat. | Spreading Rate. |
|---|---|---|
| 1362 | Wt. of paint before use. | |
| 1334 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 69 |
| 1334 | | |
| 1310 | Ditto | |
| 24 | | Y. P. Panel, No. 69 |
| 1310 | | |
| 1287 | Ditto | |
| 23 | | C. Panel, No. 69 |
| 1287 | | |
| 1263 | Ditto | |
| 24 | | W. P. Panel, No. 70 |
| 1263 | | |
| 1237 | Ditto | |
| 26 | | Y. P. Panel, No. 70 |
| 1237 | | |
| 1215 | Ditto | |
| 22 | | C. Panel, No. 70 |

## No. 2, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1356 | Wt. of paint before use. | |
| 1331 | " " " after use. | |
| 25 | " " " applied to | W. P. Panel, No. 71 |
| 1331 | | |
| 1306 | Ditto | |
| 25 | | Y. P. Panel, No. 71 |
| 1306 | | |
| 1280 | Ditto | |
| 26 | | C. Panel, No. 71 |
| 1280 | | |
| 1255 | Ditto | |
| 25 | | W. P. Panel, No. 72 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1255 | | |
| 1231 | Ditto | |
| 24 | | Y. P. Panel, No. 72 |
| 1231 | | |
| 1209 | Ditto | |
| 22 | | C. Panel, No. 72 |

## No. 3, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1527 | Wt. of paint before use. | |
| 1501 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 73 |
| 1501 | | |
| 1476 | Ditto | |
| 25 | | Y. P. Panel, No. 73 |
| 1476 | | |
| 1449 | Ditto | |
| 27 | | C. Panel, No. 73 |
| 1449 | | |
| 1420 | Ditto | |
| 24 | | W. P. Panel, No. 74 |
| 1420 | | |
| 1393 | Ditto | |
| 27 | | Y. P. Panel, No. 74 |
| 1393 | | |
| 1368 | Ditto | |
| 25 | | C. Panel, No. 74 |

## No. 4, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1594 | Wt. of paint before use. | |
| 1565 | " " " after use. | |
| 29 | " " " applied to | W. P. Panel, No. 75 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1565 | | |
| 1538 | Ditto | |
| 25 | | Y. P. Panel, No. 75 |
| 1538 | | |
| 1510 | Ditto | |
| 28 | | C. Panel, No. 75 |
| 1510 | | |
| 1475 | Ditto | |
| 25 | | W. P. Panel, No. 76 |
| 1475 | | |
| 1447 | Ditto | |
| 28 | | Y. P. Panel, No. 76 |
| 1447 | | |
| 1417 | Ditto | |
| 30 | | C. Panel, No. 76 |

## No. 5, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1289 | Wt. of paint before use. | |
| 1263 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 77 |
| 1263 | | |
| 1239 | Ditto | |
| 24 | | Y. P. Panel, No. 77 |
| 1253 | | |
| 1227 | Ditto | |
| 26 | | C. Panel, No. 77 |
| 1227 | | |
| 1202 | Ditto | |
| 25 | | W. P. Panel, No. 78 |
| 1202 | | |
| 1178 | Ditto | |
| 24 | | Y. P. Panel, No. 78 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1178 | | |
| 1153 | Ditto | |
| 25 | | C. Panel, No. 78 |

## No. 6, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1414 | Wt. of paint before use. | |
| 1388 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 79 |
| 1388 | | |
| 1361 | Ditto | |
| 27 | | Y. P. Panel, No. 79 |
| 1361 | | |
| 1338 | Ditto | |
| 23 | | C. Panel, No. 79 |
| 1338 | | |
| 1313 | Ditto | |
| 25 | | W. P. Panel, No. 80 |
| 1313 | | |
| 1289 | Ditto | |
| 24 | | Y. P. Panel, No. 80 |
| 1289 | | |
| 1264 | Ditto | |
| 25 | | C. Panel, No. 80 |

## No. 7, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1377 | Wt. of paint before use. | |
| 1351 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 81 |
| 1351 | | |
| 1323 | Ditto | |
| 28 | | Y. P. Panel, No. 81 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1323 | | |
| 1299 | Ditto | |
| 24 | | C. Panel, No. 81 |
| 1299 | | |
| 1274 | Ditto | |
| 25 | | W. P. Panel, No. 82 |
| 1274 | | |
| 1249 | Ditto | |
| 25 | | Y. P. Panel, No. 82 |
| 1249 | | |
| 1224 | Ditto | |
| 25 | | C. Panel, No. 82 |

## No. 8, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1383 | Wt. of paint before use. | |
| 1354 | " " " after use. | |
| 29 | " " " applied to | W. P. Panel, No. 83 |
| 1354 | | |
| 1329 | Ditto | |
| 25 | | Y. P. Panel, No. 83 |
| 1329 | | |
| 1305 | Ditto | |
| 24 | | C. Panel, No. 83 |
| 1305 | | |
| 1278 | Ditto | |
| 27 | | W. P. Panel, No. 84 |
| 1278 | | |
| 1252 | Ditto | |
| 26 | | Y. P. Panel, No. 84 |
| 1252 | | |
| 1226 | Ditto | |
| 26 | | C. Panel, No. 84 |

## No. 9, GRAY PAINT.

| Grammes. | 2d Coat. | Spreading Rate. |
|---|---|---|
| 1206 | Wt. of paint before use. | |
| 1183 | " " " after use. | |
| 23 | " " " applied to | W. P. Panel, No. 85 |
| 1183 | | |
| 1163 | Ditto | |
| 20 | | Y. P. Panel, No. 85 |
| 1163 | | |
| 1142 | Ditto | |
| 21 | | C. Panel, No. 85 |
| 1142 | | |
| 1121 | Ditto | |
| 21 | | W. P. Panel, No. 86 |
| 1121 | | |
| 1100 | Ditto | |
| 21 | | Y. P. Panel, No. 86 |
| 1100 | | |
| 1078 | Ditto | |
| 22 | | C. Panel, No. 86 |

## No. 10, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1363 | Wt. of paint before use. | |
| 1336 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 87 |
| 1336 | | |
| 1310 | Ditto | |
| 26 | | Y. P. Panel, No. 87 |
| 1310 | | |
| 1284 | Ditto | |
| 26 | | C. Panel, No. 87 |
| 1284 | | |
| 1259 | Ditto | |
| 25 | | W. P. Panel, No. 88 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1259 | | |
| 1233 | Ditto | |
| 26 | | Y. P. Panel, No. 88 |
| 1233 | | |
| 1207 | Ditto | |
| 26 | | C. Panel, No. 88 |

## No. 11, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1362 | Wt. of paint before use. | |
| 1336 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 89 |
| 1336 | | |
| 1310 | Ditto | |
| 26 | | Y. P. Panel, No. 89 |
| 1310 | | |
| 1284 | Ditto | |
| 26 | | C. Panel, No. 89 |
| 1284 | | |
| 1256 | Ditto | |
| 28 | | W. P. Panel, No. 90 |
| 1256 | | |
| 1230 | Ditto | |
| 26 | | Y. P. Panel, No. 90 |
| 1230 | | |
| 1204 | Ditto | |
| 26 | | C. Panel, No. 90 |

## No. 12, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1377 | Wt. of paint before use. | |
| 1351 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 91 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1351 | | |
| 1325 | Ditto | |
| 26 | | Y. P. Panel, No. 91 |
| 1325 | | |
| 1301 | Ditto | |
| 24 | | C. Panel, No. 91 |
| 1301 | | |
| 1278 | Ditto | |
| 23 | | W. P. Panel, No. 92 |
| 1278 | | |
| 1256 | Ditto | |
| 22 | | Y. P. Panel, No. 92 |
| 1256 | | |
| 1233 | Ditto | |
| 23 | | C. Panel, No. 92 |

## No. 13, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1299 | Wt. of paint before use. | |
| 1270 | " " " after use. | |
| 29 | " " " applied to | W. P. Panel, No. 93 |
| 1270 | | |
| 1246 | Ditto | |
| 24 | | Y. P. Panel, No. 93 |
| 1246 | | |
| 1222 | Ditto | |
| 24 | | C. Panel, No. 93 |
| 1222 | | |
| 1197 | Ditto | |
| 25 | | W. P. Panel, No. 94 |
| 1197 | | |
| 1172 | Ditto | |
| 25 | | Y. P. Panel, No. 94 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1172 | | |
| 1150 | Ditto | |
| 22 | | C. Panel, No. 94 |

## No. 14, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1355 | Wt. of paint before use. | |
| 1325 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 95 |
| 1325 | | |
| 1301 | Ditto | |
| 24 | | Panel, No. 95 |
| 1301 | | |
| 1276 | Ditto | |
| 25 | | Panel, No. 95 |
| 1276 | | |
| 1248 | Ditto | |
| 28 | | Panel, No. 96 |
| 1248 | | |
| 1222 | Ditto | |
| 26 | | Panel, No. 96 |
| 1222 | | |
| 1198 | Ditto | |
| 24 | | Panel, No. 96 |

## No. 15, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1415 | Wt. of paint before use. | |
| 1389 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 97 |
| 1389 | | |
| 1366 | Ditto | |
| 23 | | Y. P. Panel, No. 97 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1366 | | |
| 1341 | Ditto | |
| 25 | | C. Panel, No. 97 |
| 1341 | | |
| 1317 | Ditto | |
| 24 | | Panel, No. 98 |
| 1317 | | |
| 1293 | Ditto | |
| 24 | | Panel, No. 98 |
| 1293 | | |
| 1270 | Ditto | |
| 23 | | Panel, No. 98 |

## No. 16, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1403 | Wt. of paint before use. | |
| 1377 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 99 |
| 1377 | | |
| 1351 | Ditto | |
| 26 | | Y. P. Panel, No. 99 |
| 1351 | | |
| 1326 | Ditto | |
| 25 | | C. Panel, No. 99 |
| 1326 | | |
| 1298 | Ditto | |
| 28 | | W. P. Panel, No. 100 |
| 1298 | | |
| 1269 | Ditto | |
| 29 | | Panel, No. 100 |
| 1269 | | |
| 1240 | Ditto | |
| 29 | | Panel, No. 100 |

## No. 17, GRAY PAINT.

| Grammes. | 2d Coat. | Spreading Rate. |
|---|---|---|
| 1365 | Wt. of paint before use. | |
| 1339 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 101 |
| 1339 | | |
| 1313 | Ditto | |
| 26 | | Y. P. Panel, No. 101 |
| 1313 | | |
| 1290 | Ditto | |
| 23 | | C. Panel, No. 101 |
| 1290 | | |
| 1261 | Ditto | |
| 29 | | W. P. Panel, No. 102 |
| 1261 | | |
| 1236 | Ditto | |
| 25 | | Y. P. Panel, No. 102 |
| 1236 | | |
| 1215 | Ditto | |
| 21 | | C. Panel, No. 102 |

## No. 18, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1557 | Wt. of paint before use. | |
| 1529 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 103 |
| 1529 | | |
| 1506 | Ditto | |
| 23 | | Y. P. Panel, No. 103 |
| 1506 | | |
| 1480 | Ditto | |
| 26 | | C. Panel, No. 103 |
| 1480 | | |
| 1453 | Ditto | |
| 27 | | W. P. Panel, No. 104 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1453 | | |
| 1429 | Ditto | |
| 24 | | Y. P. Panel, No. 104 |
| 1429 | | |
| 1403 | Ditto | |
| 26 | | C. Panel, No. 104 |

## No. 19, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1386 | Wt. of paint before use. | |
| 1356 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 105 |
| 1356 | | |
| 1330 | Ditto | |
| 26 | | Y. P. Paint, No. 105 |
| 1330 | | |
| 1302 | Ditto | |
| 28 | | C. Panel, No. 105 |
| 1302 | | |
| 1277 | Ditto | |
| 25 | | W. P. Panel, No. 106 |
| 1277 | | |
| 1250 | Ditto | |
| 27 | | Y. P. Panel, No. 106 |
| 1250 | | |
| 1225 | Ditto | |
| 25 | | C. Panel, No. 106 |

## No. 20, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1456 | Wt. of paint before use. | |
| 1430 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 107 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1430 | | |
| 1399 | Ditto | |
| 31 | | Y. P. Panel, No. 107 |
| 1399 | | |
| 1373 | Ditto | |
| 26 | | C. Panel, No. 107 |
| 1373 | | |
| 1344 | Ditto | |
| 29 | | W. P. Panel, No. 108 |
| 1344 | | |
| 1316 | Ditto | |
| 28 | | Y. P. Panel, No. 108 |
| 1316 | | |
| 1292 | Ditto | |
| 24 | | C. Panel, No.108 |

## No. 21, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1415 | Wt. of paint before use. | |
| 1392 | " " " after use. | |
| 23 | " " " applied to | W. P. Panel, No. 109 |
| 1392 | | |
| 1371 | Ditto | |
| 21 | | Y. P. Panel, No. 109 |
| 1371 | | |
| 1353 | Ditto | |
| 18 | | C. Panel, No. 109 |
| 1353 | | |
| 1331 | Ditto | |
| 22 | | W. P. Panel, No. 110 |
| 1331 | | |
| 1308 | Ditto | |
| 23 | | Y. P. Panel, No. 110 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1308 | | |
| 1287 | Ditto | |
| 21 | | C. Panel, No. 110 |

## No. 22, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1377 | Wt. of paint before use. | |
| 1350 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 111 |
| 1350 | | |
| 1321 | Ditto | |
| 29 | | Y. P. Panel, No. 111 |
| 1321 | | |
| 1295 | Ditto | |
| 26 | | C. Panel, No. 111 |
| 1295 | | |
| 1270 | Ditto | |
| 25 | | W. P. Panel, No. 112 |
| 1270 | | |
| 1242 | Ditto | |
| 28 | | Y. P. Panel, No.112 |
| 1242 | | |
| 1215 | Ditto | |
| 27 | | C. Panel, No. 112 |

## No. 23, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1316 | Wt. of paint before use. | |
| 1288 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 113 |
| 1288 | | |
| 1264 | Ditto | |
| 24 | | Y. P. Panel, No. 113 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1264 | | |
| 1241 | Ditto | |
| 23 | | C. Panel, No. 113 |
| 1241 | | |
| 1217 | Ditto | |
| 24 | | W. P. Panel, No. 114 |
| 1217 | | |
| 1194 | Ditto | |
| 23 | | Y. P. Panel, No. 114 |
| 1194 | | |
| 1170 | Ditto | |
| 24 | | C. Panel, No. 114 |

## No. 24, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1322 | Wt. of paint before use. | |
| 1297 | " " " after use. | |
| 25 | " " " applied to | W. P. Panel, No. 115 |
| 1297 | | |
| 1272 | Ditto | |
| 25 | | Y. P. Panel, No. 115 |
| 1272 | | |
| 1251 | Ditto | |
| 21 | | C. Panel, No. 115 |
| 1251 | | |
| 1226 | Ditto | |
| 25 | | W. P. Panel, No. 116 |
| 1226 | | |
| 1200 | Ditto | |
| 26 | | Y. P. Panel, No. 116 |
| 1200 | | |
| 1174 | Ditto | |
| 26 | | C. Panel, No. 116 |

## No. 25, GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1286 | Wt. of paint before use. | | | |
| 1261 | " | " | " after use. | |
| 25 | " | " | " applied to | W. P. Panel, No. 117 |
| 1261 | | | | |
| 1232 | | | Ditto | |
| 29 | | | | Y. P. Panel, No. 117 |
| 1232 | | | | |
| 1208 | | | Ditto | |
| 24 | | | | C. Panel, No. 117 |
| 1208 | | | | |
| 1185 | | | Ditto | |
| 23 | | | | W. P. Panel, No. 118 |
| 1185 | | | | |
| 1158 | | | Ditto | |
| 27 | | | | Y. P. Panel, No. 118 |
| 1158 | | | | |
| 1135 | | | Ditto | |
| 23 | | | | C. Panel, No. 118 |

## No. 26, GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1352 | Wt. of paint before use. | | | |
| 1324 | " | " | " after use. | |
| 28 | " | " | " applied to | W. P. Panel, No. 119 |
| 1324 | | | | |
| 1297 | | | Ditto | |
| 27 | | | | Y. P. Panel, No. 119 |
| 1297 | | | | |
| 1271 | | | Ditto | |
| 26 | | | | Panel, No. 119 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1271 | | |
| 1243 | Ditto | |
| 28 | | W. P. Panel, No. 120 |
| 1243 | | |
| 1213 | Ditto | |
| 30 | | Y. P. Panel, No. 120 |
| 1213 | | |
| 1188 | Ditto | |
| 25 | | C. Panel, No. 120 |

## No. 27, GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1259 | Wt. of paint before use. | |
| 1231 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 121 |
| 1231 | | |
| 1206 | Ditto | |
| 25 | | Y. P. Panel, No. 121 |
| 1206 | | |
| 1181 | Ditto | |
| 25 | | C. Panel, No. 121 |
| 1181 | | |
| 1156 | Ditto | |
| 25 | | W. P. Panel, No. 122 |
| 1156 | | |
| 1130 | Ditto | |
| 26 | | Y. P. Panel, No. 122 |
| 1130 | | |
| 1103 | Ditto | |
| 27 | | C. Panel, No. 122 |

Gray Paint
Third Coat

## No. 1, GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2057 | Wt. of paint before use. | | | |
| 2033 | " | " | " after use. | |
| 24 | " | " | " applied to | W. P. Panel, No. 69 |
| 2033 | | | | |
| 2012 | | Ditto | | |
| 21 | | | | Y. P. Panel, No. 69 |
| 2012 | | | | |
| 1987 | | Ditto | | |
| 25 | | | | C. Panel, No. 69 |
| 1987 | | | | |
| 1965 | | Ditto | | |
| 22 | | | | W. P. Panel, No. 70 |
| 1965 | | | | |
| 1942 | | Ditto | | |
| 23 | | | | Y. P. Panel, No. 70 |
| 1873 | | | | |
| 1849 | | Ditto | | |
| 24 | | | | C. Panel, No. 70 |

## No. 2, GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2221 | Wt. of paint before use. | | | |
| 2196 | " | " | " after use. | |
| 25 | " | " | " applied to | W. P. Panel, No. 71 |
| 2196 | | | | |
| 2169 | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 71 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2169 | | |
| 2142 | Ditto | |
| 27 | | C. Panel, No. 71 |
| 2141 | | |
| 2119 | Ditto | |
| 23 | | W. P. Panel, No. 72 |
| 2119 | | |
| 2095 | Ditto | |
| 24 | | Y. P. Panel, No. 72 |
| 2095 | | |
| 2070 | Ditto | |
| 25 | | C. Panel, No. 72 |

## No. 3, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2209 | Wt. of paint before use. | |
| 2181 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 73 |
| 2181 | | |
| 2154 | Ditto | |
| 27 | | Y. P. Panel, No. 73 |
| 2154 | | |
| 2125 | Ditto | |
| 29 | | C. Panel, No. 73 |
| 2125 | | |
| 2095 | Ditto | |
| 30 | | W. P. Panel, No. 74 |
| 2095 | | |
| 2063 | Ditto | |
| 32 | | Y. P. Panel, No. 74 |
| 2063 | | |
| 2031 | Ditto | |
| 32 | | C. Panel, No. 74 |

## No. 4, GRAY PAINT.

| Grammes. | 3d Coat. | Spreading Rate. |
|---|---|---|
| 2472 | Wt. of paint before use. | |
| 2442 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel. No. 75 |
| 2442 | | |
| 2414 | Ditto | |
| 28 | | Y. P. Panel, No. 75 |
| 2414 | | |
| 2377 | Ditto | |
| 37 | | C. Panel, No. 75 |
| 2377 | | |
| 2344 | Ditto | |
| 33 | | W. P. Panel, No. 76 |
| 2344 | | |
| 2312 | Ditto | |
| 32 | | Y. P. Panel, No. 76 |
| 2312 | | |
| 2276 | Ditto | |
| 36 | | C. Panel, No. 76 |

## No. 5, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2088 | Wt. of paint before use. | |
| 2054 | " " " after use. | |
| 34 | " " " applied to | W. P. Panel, No. 77 |
| 2054 | | |
| 2021 | Ditto | |
| 33 | | Y. P. Panel, No. 77 |
| 2021 | | |
| 1987 | Ditto | |
| 34 | | C. Panel, No. 77 |
| 1987 | | |
| 1954 | Ditto | |
| 33 | | W. P. Panel, No. 78 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1954 | | |
| 1924 | Ditto | |
| 30 | | Y. P. Panel, No. 78 |
| 1924 | | |
| 1890 | Ditto | |
| 34 | | C. Panel, No. 78 |

## No. 6, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2225 | Wt. of paint before use. | |
| 2199 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 79 |
| 2199 | | |
| 2172 | Ditto | |
| 27 | | Y. P. Panel, No. 79 |
| 2172 | | |
| 2147 | Ditto | |
| 25 | | C. Panel, No. 79 |
| 2147 | | |
| 2122 | Ditto | |
| 25 | | W. P. Panel, No. 80 |
| 2122 | | |
| 2100 | Ditto | |
| 22 | | Y. P. Panel, No. 80 |
| 2100 | | |
| 2069 | Ditto | |
| 31 | | C. Panel, No. 80 |

## No. 7, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2110 | Wt. of paint before use. | |
| 2084 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 81 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2084 | | |
| 2055 | Ditto | |
| 29 | | Y. P. Panel, No. 81 |
| 2055 | | |
| 2027 | Ditto | |
| 28 | | C. Panel, No. 81 |
| 2027 | | |
| 1997 | Ditto | |
| 30 | | W. P. Panel, No. 82 |
| 1997 | | |
| 1970 | Ditto | |
| 27 | | Y. P. Panel, No. 82 |
| 1970 | | |
| 1944 | Ditto | |
| 26 | | C. Panel, No. 82 |

## No. 8, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2088 | Wt. of paint before use. | |
| 2062 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 83 |
| 2062 | | |
| 2037 | Ditto | |
| 25 | | Y. P. Panel, No. 83 |
| 2037 | | |
| 2010 | Ditto | |
| 27 | | C. Panel, No. 83 |
| 2019 | | |
| 1986 | Ditto | |
| 24 | | W. P. Panel, No. 84 |
| 1936 | | |
| 1961 | Ditto | |
| 27 | | Y. P. Panel, No. 84 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1961 | | |
| 1938 | Ditto | |
| 23 | | C. Panel, No. 84 |

## No. 9, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 1939 | Wt. of paint before use. | |
| 1913 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 85 |
| 1913 | | |
| 1889 | Ditto | |
| 24 | | Y. P. Panel, No. 85 |
| 1889 | | |
| 1865 | Ditto | |
| 24 | | C. Panel, No. 85 |
| 1865 | | |
| 1839 | Ditto | |
| 26 | | W. P. Panel, No. 86 |
| 1839 | | |
| 1817 | Ditoo | |
| 22 | | Y. P. Panel, No. 86 |
| 1817 | | |
| 1792 | Ditto | |
| 25 | | C. Panel, No. 86 |

## No. 10, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2293 | Wt. of paint before use. | |
| 2263 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 87 |
| 2263 | | |
| 2234 | Ditto | |
| 29 | | Y. P. Panel, No. 87 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2234 | | |
| 2202 | Ditto | |
| 32 | | C. Panel, No. 87 |
| 2202 | | |
| 2167 | Ditto | |
| 35 | | W. P. Panel, No. 88 |
| 2167 | | |
| 2131 | Ditto | |
| 36 | | Y. P. Panel, No. 88 |
| 2131 | | |
| 2097 | Ditto | |
| 33 | | C. Panel, No. 88 |

## No. 11, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2141 | Wt. of paint before use. | |
| 2115 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 89 |
| 2115 | | |
| 2072 | Ditto | |
| 43 | | Y. P. Panel, No. 89 |
| 2072 | | |
| 2045 | Ditto | |
| 27 | | C. Panel, No. 89 |
| 2045 | | |
| 2015 | Ditto | |
| 30 | | W. P. Panel, No. 90 |
| 2015 | | |
| 1985 | Ditto | |
| 30 | | Y. P. Panel, No. 90 |
| 1985 | | |
| 1952½ | Ditto | |
| 32½ | | C. Panel, No. 90 |

## No. 12, GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2362 | Wt. of paint before use. | | | |
| 2337 | " " " | after use. | | |
| 25 | " " " | applied to | W. P. Panel, No. 91 | |
| 2337 | | | | |
| 2309 | | Ditto | | |
| 28 | | | Y. P. Panel, No. 91 | |
| 2309 | | | | |
| 2280 | | Ditto | | |
| 29 | | | C. Panel, No. 91 | |
| 2280 | | | | |
| 2252 | | Ditto | | |
| 28 | | | W. P. Panel, No. 92 | |
| 2252 | | | | |
| 2225 | | Ditto | | |
| 27 | | | Y. P. Panel, No. 92 | |
| 2225 | | | | |
| 2197 | | Ditto | | |
| 28 | | | C. Panel, No. 92 | |

## No. 13, GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2023 | Wt. of paint before use. | | | |
| 1995 | " " " | after use. | | |
| 28 | " " " | applied to | W. P. Panel, No. 93 | |
| 1995 | | | | |
| 1966 | | Ditto | | |
| 29 | | | Y. P. Panel, No. 93 | |
| 1966 | | | | |
| 1933 | | Ditto | | |
| 33 | | | C. Panel, No. 93 | |
| 1933 | | | | |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1903 | | | Ditto | | |
| 30 | | | | | W. P. Panel, No. 94 |
| 1903 | | | | | |
| 1877 | | | Ditto | | |
| 26 | | | | | Y. P. Panel, No. 94 |
| 1877 | | | | | |
| 1853 | | | Ditto | | |
| 24 | | | | | C. Panel, No. 94 |

**No. 14, GRAY PAINT.**

**3d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 2142 | Wt. of paint before use. | | | | |
| 2112 | " | " | " | after use. | |
| 30 | " | " | " | applied to | W. P. Panel, No. 95 |
| 2112 | | | | | |
| 2087 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 95 |
| 2087 | | | | | |
| 2060 | | | Ditto | | |
| 27 | | | | | C. Panel, No. 95 |
| 2060 | | | | | |
| 2032 | | | Ditto | | |
| 28 | | | | | W. P. Panel, No. 96 |
| 2032 | | | | | |
| 2007 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 96 |
| 2007 | | | | | |
| 1983 | | | Ditto | | |
| 24 | | | | | C. Panel, No. 96 |

**No. 15, GRAY PAINT.**

**3d Coat.**

| | | | | | |
|---|---|---|---|---|---|
| 2152 | Wt. of paint before use. | | | | |
| 2129 | " | " | " | after use. | |
| 23 | " | " | " | applied to | W. P. Panel, No. 97 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2129 | | |
| 2104 | Ditto | |
| 25 | | Y. P. Panel, No. 97 |
| 2104 | | |
| 2082 | Ditto | |
| 22 | | C. Panel, No. 97 |
| 2082 | | |
| 2055 | Ditto | |
| 27 | | W. P. Panel, No. 98 |
| 2055 | | |
| 2031 | Ditto | |
| 24 | | Y. P. Panel, No. 98 |
| 2031 | | |
| 2009 | Ditto | |
| 22 | | C. Panel, No. 98 |

## No. 16, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2362 | Wt. of paint before use. | |
| 2332 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 99 |
| 2332 | | |
| 2301 | Ditto | |
| 31 | | Y. P. Panel, No. 99 |
| 2301 | | |
| 2268 | Ditto | |
| 33 | | C. Panel, No. 99 |
| 2268 | | |
| 2235 | Ditto | |
| 33 | | W. P. Panel, No. 100 |
| 2235 | | |
| 2204 | Ditto | |
| 31 | | Y. P. Panel, No. 100 |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2204 | | | | | |
| 2178 | | | Ditto | | |
| 26 | | | | | C. Panel, No. 100 |

## No. 17, GRAY PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2142 | Wt. | of | paint | before use. | |
| 2114 | " | " | " | after use. | |
| 28 | " | " | " | applied to | W. P. Panel, No. 101 |
| 2114 | | | | | |
| 2085 | | | Ditto | | |
| 29 | | | | | Y. P. Panel, No. 101 |
| 2085 | | | | | |
| 2058 | | | Ditto | | |
| 27 | | | | | C. Panel, No. 101 |
| 2058 | | | | | |
| 2028 | | | Ditto | | |
| 30 | | | | | W. P. Panel, No. 102 |
| 2028 | | | | | |
| 2003 | | | Ditto | | |
| 25 | | | | | Y. P. Panel, No. 102 |
| 2003 | | | | | |
| 1978 | | | Ditto | | |
| 25 | | | | | C. Panel, No. 102 |

## No. 18, GRAY PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2329 | Wt. | of | paint | before use. | |
| 2302 | " | " | " | after use. | |
| 27 | " | " | " | applied to | W. P. Panel, No. 103 |
| 2302 | | | | | |
| 2278 | | | Ditto | | |
| 24 | | | | | Y. P. Panel, No. 103 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2278 | | |
| 2246 | Ditto | |
| 32 | | C. Panel, No. 103 |
| 2246 | | |
| 2215 | Ditto | |
| 31 | | W. P. Panel, No. 104 |
| 2215 | | |
| 2185 | Ditto | |
| 30 | | Y. P. Panel, No. 104 |
| 2185 | | |
| 2156 | Ditto | |
| 29 | | C. Panel, No. 104 |

## No. 19, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2201 | Wt. of paint before use. | |
| 2173 | " " " after use. | |
| 28 | " " " applied to | W. P. Panel, No. 105 |
| 2173 | | |
| 2142 | Ditto | |
| 31 | | Y. P. Panel, No. 105 |
| 2142 | | |
| 2112 | Ditto | |
| 30 | | C. Panel, No. 105 |
| 2112 | | |
| 2082 | Ditto | |
| 30 | | W. P. Panel, No. 106 |
| 2082 | | |
| 2051 | Ditto | |
| 31 | | Y. P. Panel, No. 106 |
| 2051 | | |
| 2018 | Ditto | |
| 33 | | C. Panel, No. 106 |

## No. 20, GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2191 | Wt. of paint before use. | | | |
| 2162 | " " " | after use. | | |
| 29 | " " " | applied to | W. P. Panel, No. 107 | |
| 2162 | | | | |
| 2128 | | Ditto | | |
| 34 | | | Y. P. Panel. No. 107 | |
| 2128 | | | | |
| 2094 | | Ditto | | |
| 34 | | | C. Panel, No. 107 | |
| 2094 | | | | |
| 2061 | | Ditto | | |
| 33 | | | W. P. Panel, No. 108 | |
| 2061 | | | | |
| 2030 | | Ditto | | |
| 31 | | | Y. P. Panel, No. 108 | |
| 2030 | | | | |
| 2000 | | Ditto | | |
| 30 | | | C. Panel, No. 108 | |

## No. 21, GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1971 | Wt. of paint before use. | | | |
| 1942 | " " " | after use. | | |
| 29 | " " " | applied to | W. P. Panel, No. 109 | |
| 1942 | | | | |
| 1915 | | Ditto | | |
| 27 | | | Y. P. Panel, No. 109 | |
| 1915 | | | | |
| 1889 | | Ditto | | |
| 26 | | | C. Panel, No. 109 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1889 | | |
| 1864 | Ditto | |
| 25 | | W. P. Panel, No. 110 |
| 1864 | | |
| 1841 | Ditto | |
| 23 | | Y. P. Panel, No. 110 |
| 1841 | | |
| 1814 | Ditto | |
| 27 | | C. Panel, No. 110 |

## No. 22, GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2065 | Wt. of paint before use. | |
| 2039 | " " " after use. | |
| 26 | " " " applied to | W. P. Panel, No. 111 |
| 2039 | | |
| 2010 | Ditto | |
| 29 | | Y. P. Panel, No. 111 |
| 2010 | | |
| 1984 | Ditto | |
| 26 | | C. Panel, No. 111 |
| 1984 | | |
| 1954 | Ditto | |
| 20 | | W. P. Panel, No. 112 |
| 1954 | | |
| 1928 | | |
| 26 | | Y. P. Panel, No. 112 |
| 1928 | Ditto | |
| 1903 | Ditto | |
| 25 | | C. Panel, No. 112 |

## No. 23, GRAY PAINT.

| Grammes. | 3d Coat. | Spreading Rate. |
|---|---|---|
| 1990 | Wt. of paint before use. | |
| 1960 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel, No. 113 |
| 1960 | | |
| 1934 | Ditto | |
| 26 | | Y. P. Panel, No. 113 |
| 1934 | | |
| 1909 | Ditto | |
| 25 | | C. Panel, No. 113 |
| 1909 | | |
| 1885 | Ditto | |
| 24 | | W. P. Panel, No. 114 |
| 1885 | | |
| 1857 | Ditto | |
| 28 | | Y. P. Panel, No. 114 |
| 1857 | | |
| 1828 | Ditto | |
| 29 | | C. Panel, No. 114 |

## No. 24, GRAY PAINT.

| | 3d Coat. | |
|---|---|---|
| 1969 | Wt. of paint before use. | |
| 1942 | " " " after use. | |
| 27 | " " " applied to | W. P. Panel, No. 115 |
| 1942 | | |
| 1918 | Ditto | |
| 24 | | Y. P. Panel, No. 115 |
| 1918 | | |
| 1896 | Ditto | |
| 22 | | C. Panel, No. 115 |
| 1896 | | |
| 1869 | Ditto | |
| 27 | | W. P. Panel, No. 116 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1869 | | | | |
| 1842 | | | Ditto | |
| 27 | | | | Y. P. Panel, No. 116 |
| 1842 | | | | |
| 1812 | | | Ditto | |
| 30 | | | | C. Panel, No. 116 |

## No. 25, GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2012 | Wt. of paint before use. | | | |
| 1987 | " | " | " after use. | |
| 25 | " | " | " applied to | W. P. Panel, No. 117 |
| 1987 | | | | |
| 1962 | | | Ditto | |
| 25 | | | | Y. P. Panel, No. 117 |
| 1962 | | | | |
| 1934 | | | Ditto | |
| 28 | | | | C. Panel, No. 117 |
| 1934 | | | | |
| 1906 | | | Ditto | |
| 28 | | | | W. P. Panel, No. 118 |
| 1906 | | | | |
| 1881 | | | Ditto | |
| 25 | | | | Y. P. Panel, No. 118 |
| 1881 | | | | |
| 1851 | | | Ditto | |
| 30 | | | | C. Panel, No. 118 |

## No. 26, GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2048 | Wt. of paint before use. | | | |
| 2021 | " | " | " after use. | |
| 27 | " | " | " applied to | W. P. Panel, No. 119 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2021 | | | | |
| 1994 | | Ditto | | |
| 27 | | | Y. P. Panel, No. 119 | |
| 1994 | | | | |
| 1966 | | Ditto | | |
| 28 | | | C. Panel, No. 119 | |
| 1966 | | | | |
| 1939 | | Ditto | | |
| 27 | | | W. P. Panel, No. 120 | |
| 1939 | | | | |
| 1911 | | Ditto | | |
| 28 | | | Y. P. Panel, No. 120 | |
| 1911 | | | | |
| 1882 | | Ditto | | |
| 29 | | | C. Panel, No. 120 | |

**No. 27, GRAY PAINT.**

**3d Coat.**

| | | | | |
|---|---|---|---|---|
| 2039 | Wt. of paint before use. | | | |
| 2010 | " " " | after use. | | |
| 29 | " " " | applied to | W. P. Panel, No. 121 | |
| 2010 | | | | |
| 1983 | | Ditto | | |
| 27 | | | Y. P. Panel, No. 121 | |
| 1983 | | | | |
| 1950 | | Ditto | | |
| 33 | | | C. Panel, No. 121 | |
| 1950 | | | | |
| 1923 | | Ditto | | |
| 27 | | | W. P. Panel, No. 122 | |
| 1923 | | | | |
| 1895 | | Ditto | | |
| 28 | | | Y. P. Panel, No. 122 | |
| 1895 | | | | |
| 1867 | | Ditto | | |
| 28 | | | C. Panel, No. 122 | |

# Blues and Specials

## BLUE PANELS.

| White Leads. | | Panels. |
|---|---|---|
| Carter | Chinese Blue, | Y 171 |
| " | Ultramarine Blue | Y 186 |
| St. Louis | Chinese Blue | C 166 |
| " " | Ultramarine Blue | Y 167 |
| Eagle | Chinese Blue | Y 174 |
| " | Ultramarine Blue | W 171 |
| Sub. | Chinese Blue | C 186 |
| " | Ultramarine Blue | W 166 |
| Zinc | Chinese Blue | Y 006 |
| " | Ultramarine Blue | C 170 |
| S. Z. L. | Chinese Blue | W 165 |
| " | Ultramarine Blue | C 167 |
| 47 | Chinese Blue | Y 166 |
| " | Ultramarine Blue | W 165 |

## No. 44, SPECIAL ON 29.

### 1st Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1677 | Wt. of paint before use. | | | | |
| 1659 | " | " | " | after use. | |
| 18 | " | " | " | applied to W. P. Panel, No. 123 | |
| 1659 | | | | | |
| 1637 | | Ditto | | | |
| 22 | | | | Y. P. Panel, No. 123 | |
| 1637 | | | | | |
| 1613 | | Ditto | | | |
| 24 | | | | C. Panel, No. 123 | |

## No. 44, SPECIAL ON 30.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1613 | Wt. of paint before use. | | | |
| 1587 | " | " | " | after use. |
| 26 | " | " | " | applied to W. P. Panel, No. 179 |
| 1587 | | | | |
| 1560 | | Ditto | | |
| 27 | | | | Y. P. Panel, No. 179 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1560 | | | | |
| 1538 | | Ditto | | |
| 22 | | | | C. Panel, No. 179 |

## No. 44, SPECIAL ON 31.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1538 | Wt. of paint | | before use. | |
| 1514 | " | " | after use. | |
| 24 | " | " | applied to | W. P. Panel, No. 184 |
| 1514 | | | | |
| 1489 | | Ditto | | |
| 25 | | | | Y. P. Panel, No. 184 |
| 1489 | | | | |
| 1464 | | Ditto | | |
| 25 | | | | C. Panel, No. 184 |

## No. 44, SPECIAL ON 32.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1464 | Wt. of paint | | before use. | |
| 1442 | " | " | after use. | |
| 22 | " | " | applied to | W. P. Panel, No. 185 |
| 1442 | | | | |
| 1418 | | Ditto | | |
| 24 | | | | Y. P. Panel, No. 185 |
| 1418 | | | | |
| 1398 | | Ditto | | |
| 20 | | | | C. Panel, No. 185 |

## No. 42, SPECIAL.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1701 | Wt. of paint | | before use. | |
| 1683 | " | " | after use. | |
| 18 | " | " | applied to | W. P. Panel, No. 183 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1683 | | |
| 1665 | Ditto | |
| 18 | | Y. P. Panel, No. 183 |
| 1665 | | |
| 1650 | Ditto | |
| 15 | | C. Panel, No. 183 |

## No. 43, SPECIAL.

### 2d Coat.

| | | |
|---|---|---|
| 2262 | Wt. of paint before use. | |
| 2227 | " " " after use. | |
| 35 | " " " applied to | W. P. Panel, No. 173 |
| 2195 | Ditto | |
| 32 | | Y. P. Panel, No. 173 |
| 2195 | | |
| 2165 | Ditto | |
| 30 | | C. Panel, No. 173 |

# CHAPTER X

## Report on New Tests Just Issued at Atlantic City and Pittsburg

A series of new test panels, upon which have been painted out new formulas, to take the place of those panels removed from the Atlantic City and Pittsburg test fences, as a result of the inspection of these fences, and the condemning of certain formulas thereon, have been finished, both at Atlantic City and Pittsburg, and are being placed in position on the respective fences.

These new panels are all of white pine, this wood having been selected by the joint fence inspection committees at Atlantic City and Pittsburg, as offering the best condition of surface for such a test. The methods used in painting these panels were the same as those used in the previous tests, together with the adoption of certain refinements in the reductions, applications, etc., and the manner in which the tests were carried out.

A series of twenty-six formulas were selected with careful regard to the percentage of components. It is the intention to test out the highly efficient character of certain combinations of pigments, which seemed to have shown most excellent results in slightly different percentages in the former tests. Thus, several of the new formulas applied are typical of the high-grade type of ready-mixed paints placed upon the market to-day by many progressive manufacturers.

Lithopone has been combined in lower percentages than in previous tests, with certain pigments with which it gave good promise of value. Certain of these lithopone paints have been ground in vehicles of a varnish nature to ascertain

whether vehicles which act as excluders of moisture will prevent the decay of darkening of lithopone, which has, in some cases in the past, been observed, thus preventing the use of this pigment to any great extent for outside work.

In order to obtain a criterion of the comparative value of the new formulas applied, as against the wearing of straight white leads, the original white leads used in the previous tests have been repeated, and others added. These are all being tested out at this time, thus making a total of thirty-five formulas in all, which have been selected for the new tests.

Each formula is painted out in white, in yellow, and in gray, upon panels of white pine wood, thus making a total for the thirty-five formulas applied, of one hundred and twelve panels. These panels are being arranged in sequence upon the fence and each panel is provided with an identification mark in the form of a numeral stencilled upon its face on the right hand end of the panel. Upon the opposite end of each panel is placed the customary opacity test, in the form of a small black square stencilled over the priming coat and the degree of clearness with which this mark may be seen through the second and third coats gives a comparison of the hiding properties of each paint applied.

Although the number of each formula is stamped upon each panel, it is not intended to give out at this time the key to the fence, showing the composition of the paint applied to each panel. However, it was deemed advisable to give the percentage composition of the various paints applied, and a list thereof follows. A more complete report will be issued at the end of the first year's wear of these formulas, and may appear together with the second annual report on the wearing of the original paints applied to the fence.

At Atlantic City these tests were carried out by Mr. George Butler, Official Painter, Master House Painters' & Decorators' Association of Philadelphia, Inc., under the supervision of Mr. H. A. Gardner, Fence Superintendent, and there was present Mr. James T. Parthree, Foreman Painter for the Pennsylvania Lines at Wilmington, and in-

spector for Sub-Committee "E," of the American Society for Testing Materials. The weights, etc., were very carefully taken by Mr. Zoltan de Horvath.

At Pittsburg the work was carried out by Mr. Alfred C. Rapp, Official Painter, Pittsburg Branch, Pennsylvania State Association of Master Painters, under the supervision of Mr. H. A. Gardner, Fence Superintendent. The Carnegie Technical School's Fence Committee was represented by Dr. John A. Schaeffer, who took the weights, etc.

R. S. PERRY, Director.

---

## REPORT ON NEW TESTS JUST INSTITUTED AT ATLANTIC CITY AND PITTSBURG

### Formula No. 1.

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Basic Carbonate-White Lead | 50% |

### Formula No. 2.

| | |
|---|---|
| Basic Carbonate-White Lead | 75% |
| Basic Sulphate-White Lead | 25% |

### Formula No. 3.

| | |
|---|---|
| Lithopone | 36% |
| Basic Carbonate-White Lead | 50% |
| Barytes | 12% |
| Asbestine | 2% |

### Formula No. 4.

| | |
|---|---|
| Lithopone | 35% |
| Basic Carbonate-White Lead | 45% |
| Asbestine | 20% |

### Formula No. 5.

| | |
|---|---|
| Lithopone | 40% |
| Basic Carbonate-White Lead | 45% |
| Silex | 15% |

**Formula No. 6.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Carbonate-White Lead | 45% |
| Whiting | 15% |

**Formula No. 7.**

Beemer Baumann Brand Pure White Lead

**Formula No. 8.**

Acme New Process White Lead

**Formula No. 9.**

Matheson Precipitated White Lead

**Formula No. 10.**

Zinc Lead

**Formula No. 11.**

Basic Sulphate-White Lead (Picher)

**Formula No. 12.**

Basic Carbonate-White Lead (Carter)

**Formula No. 13.**

Basic Carbonate-White Lead (Eagle)

**Formula No. 14.**

Basic Carbonate-White Lead (St. Louis)

**Formula No. 15.**

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Kaolin | 33% |

**Formula No. 16.**

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Silex | 33% |

### Formula No. 17.

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Silex | 16% |
| Kaolin | 16% |

### Formula No. 18.

| | |
|---|---|
| Lithopone | 100% |

Ground in linseed oil with 2% zinc resinate to be thinned for spreading with turpentine and spar varnish for high gloss.

### Formula No. 19.

| | |
|---|---|
| Lithopone | 100% |

Ground in linseed oil with 5% chrome resinate.

### Formula No. 20.

| | |
|---|---|
| Lithopone | 30% |
| Basic Sulphate-White Lead | 60% |
| Asbestine | 10% |

### Formula No. 21.

| | |
|---|---|
| Lithopone | 30% |
| Zinc Oxide | 30% |
| Basic Sulphate White-Lead | 30% |
| Whiting | 10% |

### Formula No. 22.

| | |
|---|---|
| Lithopone | 30% |
| Zinc Oxide | 60% |
| Calcium Carbonate | 10% |

### Formula No. 23.

| | |
|---|---|
| Basic Sulphate-White Lead | 28% |
| Zinc Oxide | 55% |
| Blanc Fixe | 7% |
| Barytes | 7% |
| Asbestine | 3% |

### Formula No. 24

| | |
|---|---|
| Basic Carbonate-White Lead | 28% |
| Zinc Oxide | 55% |
| Blanc Fixe | 7% |

| | |
|---|---|
| Barytes | 7% |
| Asbestine | 3% |

**Formula No. 25.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Zinc Oxide | 36% |
| China Clay | 8% |
| Magnesium Silicate | 2% |
| Barytes | 4% |

**Formula No. 26.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Lithopone | 36% |
| Barytes | 12% |
| Asbestine | 2% |

**Formula No. 27.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Lithopone | 36% |
| China Clay | 8% |
| Barytes | 4% |
| Asbestine | 2% |

**Formula No. 28.**

| | |
|---|---|
| Basic Carbonate-White Lead | 50% |
| Zinc Lead | 36% |
| China Clay | 8% |
| Barytes | 4% |
| Asbestine | 2% |

**Formula No. 29.**

| | |
|---|---|
| Lithopone | 35% |
| Basic Sulphate-White Lead | 45% |
| Asbestine | 20% |

**Formula No. 30.**

| | |
|---|---|
| Lithopone | 40% |
| Zinc Oxide | 40% |
| Whiting | 20% |

**Formula No. 31.**

| | |
|---|---|
| Lithopone | 45% |
| Basic Sulphate-White Lead | 45% |
| Whiting | 10% |

**Formula No. 32.**

| | |
|---|---|
| Lithopone | 45% |
| Zinc Oxide | 45% |
| Whiting | 10% |

**Formula No. 33.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Sulphate-White Lead | 45% |
| Silex | 15% |

**Formula No. 34.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Sulphate-White Lead | 45% |
| Whiting | 15% |

**Formula No. 35.**

| | |
|---|---|
| Basic Carbonate-White Lead | 24% |
| Basic Sulphate-White Lead | 13% |
| Zinc Oxide | 45% |
| Silicate of Magnesia | 18% |

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BUREAU OF PROMOTION AND DEVELOPMENT

PAINT MANUFACTURERS' ASSOCIATION OF THE UNITED STATES

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Preliminary Booklet—Addresses on Paint, Delivered Before the Michigan Chapter, American Institute of Architects, 1907.

1—Tables of White Pigments and Vehicle—Standard Nomenclature.

2—Standard Can Sizes Recommended to Paint Manufacturers.

3—First Report on the Test Fences Erected by the Scientific Section. (Out of print.)

4—Methods for the Analysis of the Vehicle Constituents of Paint.

5—Tests Upon the Corrosion of Iron to be Conducted by the Scientific Section. (Out of print.)

6—First Annual Report of the Scientific Section.

7—Preliminary Report on Steel Test Fences

8—Report of Committee "E" on Preservative Coatings for Iron and Steel.

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10—Protective Coatings for Conservation of Structural Material.

11—The Corrosion of Iron and Steel. *By Alfred Sang.* (Out of print.)

12—The Function of Oxygen in the Corrosion of Metals. *By William H. Walker.*

13—Protective Coatings for Steel and Iron. *By Robert S. Perry.* (Out of print.)

14—Coatings for the Conservation of Structural Material. (Out of print.)

15—Protective Coatings for Structural Material. *By R. S. Perry.*

16—Atlantic City Test Fence—Report on First Annual Inspection.

17—Pittsburg Test Fence—Report on First Annual Inspection. (In press.)

Bulletin No. 17

# First Annual Report on Wearing of Paints Applied to Pittsburg Test Fence

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SCIENTIFIC SECTION
R. S. PERRY, Director
BUREAU OF PROMOTION AND DEVELOPMENT
PAINT MANUFACTURERS' ASSOCIATION
3500 Grays Ferry Road
Philadelphia, Pa.

# FIRST ANNUAL REPORT ON WEARING OF PAINTS APPLIED TO PITTSBURG TEST FENCE . . . . .

May, 1909

SCIENTIFIC SECTION
R. S. PERRY, Director
BUREAU OF PROMOTION AND DEVELOPMENT
PAINT MANUFACTURERS' ASSOCIATION
3500 Grays Ferry Road
Philadelphia, Pa.

# PREFACE

THE results of the Inspection of the Pittsburg Test Fence by the various Committees appointed are herewith presented in a form approximating Bulletin No. 16 on the wearing of paints applied to the Atlantic City Test Fence.

The great interest exhibited in this test by such an important educational institution as the Carnegie Technical Schools, founded and endowed by Andrew Carnegie, and having a teaching and student body of nearly one thousand, will be of the greatest benefit in the future in familiarizing the public at large with such an important subject.

The inspections by the Committees were made in an unbiased manner and without prejudice. They are, therefore, of great value to the manufacturers who have been anxiously awaiting the outcome of the test.

R. S. PERRY
Director Scientific Section
Bureau of Promotion and Development
Paint Manufacturers' Association
of the United States

# Pittsburg Test Fence

## INSPECTION

## MAY 4th 1909

J. H James — Chairman Test Fence Committee
Carnegie Tech. Schools.

A. C. Rupp — Chairman Test Fence Committee
Master Painters Asso'n.

Robt L Perry — Director Scientific Section
Paint M'frs. Asso'n.

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# CONDENSED INFORMATION REGARDING PITTSBURG TEST FENCE

Fence Erected: December, 1907.

Number of Panels: 560.

Kinds of Wood: White Pine, Yellow Pine and Cypress.

Wood Inspected by: Charles P. Maule, Lumber Expert, Secretary Philadelphia Lumber Exchange.

Percentage of Wood Rejected: 40 per cent.; faulty in construction, knotty, etc. Balance accepted were all on the same fair basis and equal in quality.

Panels Painted: January 30th to March 4th, 1908.

Panels Exposed: April 1, 1908.

Formulas Applied: 47.

Panels to Each Formula: 18.

Exposed on Either Side of Fence: 280.

Formulas Condemned at First Annual Inspection: 8.

Formulas Remaining Under Further Test: 39.

Director of Tests: R. S. Perry, Director, Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

Official Painter: Alfred C. Rapp, Chairman Fence Committee, Pittsburg Branch, Pennsylvania State Association of Master Painters.

Fence Superintendent: H. A. Gardner, Assistant Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

Painting Inspector for Paint Manufacturers' Association: Joseph Campbell.

Painting Inspector for Carnegie Technical School's Fence Committee: C. D. Alexander.

Colors Applied: White, Yellow and Gray.

Special Colors Applied: Bronze Green, Chrome Green, Ultramarine Blue, Prussian Blue and Para Red.

Date of First Annual Inspection: May 4-5, 1909.

Carnegie Technical School's Fence Committee, appointed by Dr. Hammerschlag, Director: Dr. J. H. James, Professor of Chemical Practice, Chairman; Professor Frederick E. Force, Civil Engineering; Professor William E. Gibbs, Physicist.

# CHAPTER I

## Committees Represented at Inspection

On May 4th, over a year from the date of the placing of the panels on the Pittsburg test fence, a joint inspection was made by representatives of the Scientific Section, Master Painters' Association of Pennsylvania, and the Carnegie Technical Schools.

The following is a list of those members present at the inspection:

R. S. Perry, Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

H. A. Gardner, Assistant Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

James E. Patton, Jr., member Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

Alfred C. Rapp, Pittsburg, Pa., Chairman Fence Committee, Pittsburg Branch, Pennsylvania State Association of Master Painters. Official Painter of Pittsburg test fence.

George Butler, Chairman Fence Committee, Official Painter of the Master House Painters' and Decorators' of Philadelphia.

John Dewar, member Fence Committee, Pittsburg Branch, Pennsylvania State Association of Master Painters.

E. R. Cluley, member Fence Committee, Pittsburg Branch, Pennsylvania State Association of Master Painters.

Dr. J. H. James, Chairman Fence Committee, Carnegie Technical Schools, Pittsburg, Pa.

Dr. John A. Schaeffer, member Fence Committee Carnegie Technical Schools.

# CHAPTER II

## Description of Inspection

Detailed Inspection Not Possible on Pittsburg Test Fence

The results of the official inspection of May 4th, 1909, have not been compiled in the same form as the results of the inspection at Atlantic City, because of an entire difference in the methods used at the Pittsburg inspection, necessitated by the conditions there. It was only possible to make a general inspection and not a detailed inspection of every panel. However, a series of photographs were made of each section of the fence, as at Atlantic City, and the photographs show in a general way the condition of the paints to-day.

Advanced Deterioration of Some Paints Prevented Use of New Chalk Test

It will be noted that in these photographs the chalk test does not appear, it being the general conclusion of the three committees that the deterioration of the paints on the Pittsburg fence had proceeded to such a point that it was not possible to apply the chalking test used at Atlantic City, and that in many cases where the greatest deterioration had taken place the chalk formed had washed away and had so disappeared that those panels which had deteriorated to the greatest extent did not yield as much chalk as panels which were in better condition. An observation of the former, however, with a magnifying glass showed most serious checking and disintegration, in some cases the bare wood being very evident to the observer.

Condition When Observed Through Magnifying Glass

In Bulletin No. 16, the Atlantic City re-

port, the various methods of conducting the inspection were given in detail, and therefore need not be repeated here.

A series of preliminary inspections have been made of the Pittsburg fence during the past year, in order to check up the wearing of the various formulas and keep them constantly under observation.

At an inspection made by the Joint Fence Committees early in March it was decided to condemn the lithopone panels on the fence. These panels were in extremely bad condition, being disintegrated and showing results which indicate that lithopone is not serviceable for outside use unless properly reinforced with other pigments.

The report of the Committee is as follows:

Pittsburg, Pa., March 10, 1909.

Mr. R. S. Perry, Director, Scientific Section,
Paint Manufacturers' Ass'n. of U. S.,
3500 Gray's Ferry Road, Philadelphia.

Dear Sir:

At the inspection of the Joint Fence Committees, representing the Pittsburg Branch of the Master Painters' Association, the Carnegie Technical Schools and the Scientific Section, it was decided to condemn the following panels upon the Pittsburg fence, and have them removed and replaced with new formulas. These panels were in extremely bad condition, being disintegrated and showing results which indicate that they are not serviceable as high-grade paints. These panels will be stored away for future reference and examination. It is our belief that a much better formula could be designed, by varying the percentages of the ma-

terials contained in the formulas removed from the fence, with the possible addition of other pigments.

Formulas to be Removed: Formulas Nos. 21 to 27 inclusive, which include Panels 151 to 164 in white, panels 131 to 144 in yellow, and panels 109 to 122 in gray.

Very truly,

(Signed) J. H. JAMES,
Chairman Test Fence Committee, Carnegie Technical Schools Committee.

(Signed) A. C. RAPP,
Chairman Fence Committee, Pittsburg Branch, Penna. State Ass'n. of Master Painters.

The general report, which is included in this book, is the consensus of opinion of the members of the three committees represented, and an endeavor has been made to bring out the essential points at the inspection and present to the members of the Association the most conclusive findings therefrom.

The report of the three committees, appointed to inspect the Pittsburg test fence from time to time, is presented in the following chapter.

# CHAPTER III

## Joint Report of Three Committees

PROF. J. H. JAMES
Chairman Test Fence Committee Carnegie Technical Schools Committee
A. C. RAPP
Chairman Fence Committee, Pittsburg Branch, Penna. State Association of Master Painters
R. S. PERRY
Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States

White Pine Wood Most Valuable for Test

As on the Atlantic City fence, the white pine panels afforded the best results and gives the best indication of the comparative wearing of the paints and affords no unfair condition, such as other woods might offer, to interfere with the test.

Condition of Cypress

Cypress showed inferior conditions, except that it was more pronounced and more discoloration of the panels was noticed on this grade of wood, which seems to be extremely greasy in nature and difficult to properly prime, even when the paint used upon this wood contains a large percentage of volatile diluent.

The Joint Committees confirmed the previous recommendation to remove all the lithopone formulas, and they decided to remove the cypress and the yellow pine panels in every formula except in the white paints

Removal of Lithopone Panels

It was decided to reassemble all the white pine panels and group them together for purposes of comparison, and in place of the panels condemned and removed, to substitute a series of new formulas, to further widen the scope of the tests.

Ultimate Value of Mixture of High Type Pigments

The results of the inspection conclusively show that a mixture of more than one prime white pigment, whether this mixture be alone or in combination with a small percentage of inert pigment, produces a paint far superior to a paint manufactured from one pigment alone.

Superior Wearing of High-Grade Formulas

As a general statement of the comparative wearing of the paints, it might be said that the composite formulas are less advanced toward destruction than the paints made from single pigments such as lithopones, white leads and zinc oxides. It is not to be understood from this statement that it is the opinion of the committee that all of the composite formulas are of equal value or that all of them are to be recommended, but it is meant that the higher types, as evidenced by the appearance of the panels, are in the above relation to the single pigment paints.

Lithopone Destroyed More Rapidly Under Climatic Conditions at Pittsburg

It was evident some time ago that the formulas containing large percentages of lithopone were rapidly failing, and their appearance was very much the same as those formulas of a similar type at Atlantic City. There seems, however, to be some difference in the way these formulas broke down; those on the Pittsburg fence having shown the quicker destruction, possibly due to the action of the acid gases in the air upon the paint coating. This further confirms the statement made in Bulletin No. 16, that paint compositions containing such heavy percentages of lithopone and intended for outside use must be designed with relation to the particular uses of the product and to the climate in which they are to be used. It will also be necessary to consider more carefully

the vehicle of the paints which are to be made of this pigment.

Possible Value of Excluding Vehicle for Lithopone

It was the belief of the committee that much better paints containing lithopone could be designed by varying the percentages of the materials contained in the formulas, and it was suggested that a less penetrable vehicle, made more on the line of a varnish, and not as easily affected as straight linoxyn, should be experimented with in connection with these lithopone formulas.

The success of certain European countries in using lithopone as a pigment, even in a very high percentage, may be due to the use of a special vehicle, and, if it is found in future tests that this material, which has been reported as well suited in Northern European climates, may be benefited and made of service by the addition of special oils and special vehicles, then this test would be of great value to the whole paint trade at large.

Preliminary inspections were made on October 6th and later on December 12th, 1908, and a marked difference was observed at the two inspections in the wearing of the various formulas.

The lapse of the two months between these inspections gave opportunity during which cold weather caused contraction of the paint film which had been previously subjected to the hot summer sun, and caused marked chalking of the white lead formulas. On October 6th this chalking was just commencing, while in the December inspection it was well advanced, and at the annual inspection, had proceeded to such an extent that the pigment had been washed from the panels representing those paints which had started early chalking.

Panel 177, representing Zinc Lead, was found to be extremely dark in color throughout the coating and was more on the order of a grayish tint. It resisted all attempts to wash it down to a white surface. The panel, however, in other respects, was in fairly good condition.

Condition of Basic Carbonate-White Lead Panels

Panel 174, representing Type B Pure Basic Carbonate-White Lead, was very badly perished and discolored, and an examination of the surface showed very bad checking. Long continued washing with a sponge removed a discolored surface and showed but a rather thin coating.

Panel 175, representing Type C Pure Basic Carbonate-White Lead showed most marked checking and was in very much the same condition as 174 and 176.

Panel 176, representing Type A Pure Basic Carbonate-White Lead, was in the same condition as the Type B and C Basic Carbonate-White Leads.

Condition of Basic Sulphate White Lead

Panel 178, representing Sublimed White Lead (Basic Sulphate-White Lead) was chalking and checking quite badly, and the paint coat was somewhat disintegrated. The chalking present on this formula, however, showed that the disintegration of the paint coat had not taken place for several months after the Basic Carbonate-White Leads. This panel maintained good color, not being acted upon by sulphur gases.

Blackening of Basic Carbonate-White Lead Probably Due to Sulphur Gases

The black and gray formation on all the Basic Carbonate-White Lead panels was probably due to the action of sulphur gases which are present in the district immediate to Pittsburg, and which may cause the formation of black sulphide of lead.

Possibly a general conclusion from all these panels might be described as a perishing of the paint coating, with the formation of sulphide of lead which to a certain extent protects the coating beneath it, but the perishing has proceeded to such an extent that the unaltered paint coating left is but a slight protection to the wood, being extremely thin.

Failure of Basic Carbonate-White Lead

The general failure of white lead, which was applied to the fence only in white, was so marked as to conclusively show the unfitness of this compound when used alone, in the Pittsburg district. However, when properly mixed with other suitable pigments, a high percentage of white lead in a paint formula showed excellent results.

Detailed Report of Conditions Impossible at Pittsburg

The committee resolved that the detailed observations of the panels could not be made and that they would not be justified in making detailed comparisons between the various formulas, giving the gloss, hardness, general condition, checking, etc. Precision in this work at such a time was impossible, and it was decided that a further period would have to elapse before such a detailed comparison could be made between the various blended or composite formulas on the fence.

## REPORT ON COLORS.

Color of the gray.

It was resolved that at the next inspection of the Pittsburg fence portions of the original samples of the original paints used for the yellows and grays should be on hand previously painted out on small panels for comparison for the deterioration of the colors on these same panels on the fence.

An examination of the combination for-

Value of Certain Inerts in Grays

mula grays, by the committee, lead to the general conclusion that those grays which did not contain a very large percentage of white lead were superior in their maintenance of tone and tint and general condition than any of the other grays upon the fence. However, the presence of umber, ochre and red oxide in some of the grays which showed to the best advantage may account for their permanence of tone. Some of these grays were the so-called warm grays and were much darker in tone and tint than the ordinary drab which is generally applied.

The straight 100 per cent. pure Basic Carbonate-White Lead were not painted out in grays or yellow, the test upon this material being only in white.

On Panels 120 and 126, which represent formulas 6 and 9 respectively, the grays are in most excellent condition, and it will be found, by reference to formulas 6 and 9, that there is an absence of white lead in their composition. These formulas, however, contained a small percentage of umber and ochre. Formulas 5 and 16 contained over 20 per cent. White Lead, and the gray of these formulas maintained their blue tone very well. These formulas were tinted solely with lampblack.

An inspection of Panel 138, which represents Formula 15, showed good maintenance of color in the gray, and was in much better condition as regards permanence of color than the other grays containing white lead.

Value of Basic Carbonate-White Lead in Yellows

A study of the yellow panels on the fence lead to the unanimous conclusion that a liberal amount of Basic Carbonate-White Lead seemed to have a beneficial result in preserving the bright tone of the chrome yellow in tints so

strong as those used on the fence. It was noted that Panel 108, which represents Formula 28, and in which zinc yellow was used, showed great permanence of tone and tint. Unfortunately this zinc chromate was added to a formula containing a large percentage of lithopone, and the destruction of the lithopone to a great extent affected the value of this test.

A study of the paranitraniline or azo reds painted over the various pigments as priming coats demonstrated that the reds on this fence are in better condition than the reds at Atlantic City. As is well known, para red is manufactured by precipitation in an acid solution and is best maintained under acid conditions. The acidity of the Pittsburg atmosphere, caused by the large amount of acid gases which are being poured into the air, day in and day out, and which are constantly condensing on the surface of structures, may account for the better preservation of these reds.

Effect of Acid Atmospheres on Maintenance of Para Reds

It was noted that the para reds which were applied to panels prime coated with white lead seemed to be brightening in color and seemed to be gradually working over toward a lightening which may in the future show a pinkish tint. It is too early, however, to give any definite report on a priming coat to use under this material.

## REPORT ON GREENS.

The bronze green is in most excellent condition and shows an absence of the mildew appearance which was observed at Atlantic City.

The chrome green is standing up exceedingly well, there being practically no change whatsoever in the color since it was exposed.

Best Base for Blues

An inspection of the blues showed that those which gave the greatest permanence and the least amount of fading were applied in combination with either Sublimed White Lead (Basic Sulphate-White Lead) or zinc oxide, while those blues which were applied in combination with Basic Carbonate-White Lead showed marked failure and were completely bleached out, due, of course, to the alkaline nature of the corroded white lead; prussian blues being transformed by alkalies to a white compound.

Some Graded Leads Superior to Straight Leads

Some of the mixed leads, or so-called graded leads, which are combinations of white leads with other high-grade pigments and containing some inert pigments, were not deteriorated so far as the white lead formulas, and the general conclusion was that they were upward of six months behind the deterioration of the straight white leads, and this was confirmed by the presence of moderate chalking, showing an excellent repainting surface and a better thickness and condition of the paint coating.

Superior Value of High Grade Composite Formulas

Most of the high-grade composite formulas showed the greatest durability and are 50 per cent. greater in value than the strictly pure white lead formulas and about 20 per cent. greater in value than some of the graded leads which were somewhat high in inert pigment.

The same conclusions which were reached at Atlantic City, as to the best method of shellacking, obtained also on the Pittsburg fence, namely, that application of the shellac to the wood previous to the first coat is the better method.

Analysis of Paints

At the time of the painting of the fence a sample of each paint was placed in small friction top cans, carefully labeled and sent to the Carnegie Technical Schools' laboratory for analysis. The analyses of these paints were made by members of the Test Fence Committee, representing the schools, and appear in this bulletin. The results obtained conform very closely to the formulas which were applied to the fence, a variance of only one or two per cent. being shown in the amount of the different pigments.

J. H. JAMES, Chairman Test Fence Committee, Carnegie Technical Schools Committee.

A. C. RAPP, Chairman Fence Committee, Pittsburg Branch, Penna. State Ass'n. of Master Painters.

R. S. PERRY, Director Scientific Section, Bureau of Promotion and Development, Paint Manufacturers' Association of United States.

# NOTE

The purchase of linseed oil by the paint grinder, under rigid specifications, liberates him from the sophistication that is ofttimes practiced on the small dealer. Satisfactory results with the use of impure, adulterated linseed oil cannot be expected of any paint, no matter how good the pigments are. In the manufacture of paints, the grinder has rather wide latitude in choosing a good pigment combination, but there are but a very few materials for the vehicle —and when linseed oil is used it should be pure linseed oil.

In the making of all the paints used on the Atlantic City and Pittsburg Test Fences, the purest linseed oil was used. We firmly believe, however, that had impure oil been used in grinding those formulas which stood up so well, the results would have been much different.

Important laboratory investigations into the chemical composition and physical nature of various linseed oil substitutes have been started by the Scientific Section, and later on these products will be tested out together with pure oil on the new fences to be erected in the South and West.

# CHAPTER IV

## Report on Analysis of Paints Used on Pittsburg Test Fence

By Dr. Schaeffer and Prof. Stevens,
Carnegie Technical Schools, Pittsburg, Pa.

Pittsburg, Pa., May 10, 1909.

Mr. H. A. Gardner, Assistant Director,
Scientific Section,
Paint Manufacturers' Ass'n of United States,
Philadelphia, Pa.

Dear Sir:

We herewith hand you copy of formulas of paints used on Pittsburg test fence, which we have analyzed and tabulated as follows. In order to place the results upon a comparative basis, the proportions given have been worked to the total of 100 per cent., omitting the percentage of soaps and oils which remained in the unextracted matter.

Yours truly,

(Signed) JOHN A. SCHAEFFER,
K. K. STEVENS.

### Formula No. 1.

| | Pigment analysis |
|---|---|
| Basic Carbonate—White Lead | 33.80% |
| Zinc Oxide | 66.20% |

### Formula No. 2.

| | |
|---|---|
| Basic Carbonate—White Lead | 51.35% |
| Zinc Oxide | 48.65% |

### Formula No. 3.

| | |
|---|---|
| Basic Carbonate—White Lead | 24.21% |
| Basic Sulphate—White Lead | 19.23% |
| Zinc Oxide | 45.52% |
| Calcium Carbonate | 11.04% |

### Formula No. 4.

| | |
|---|---|
| Basic Carbonate—White Lead | 48.73% |
| Zinc Oxide | 48.09% |
| Calcium Carbonate | 3.18% |

### Formula No. 5.

| | |
|---|---|
| Basic Carbonate—White Lead | 21.32% |
| Zinc Oxide | 51.72% |
| Calcium Carbonate | 2.17% |
| Alumina and Magnesium Silicates | 24.79% |

### Formula No. 6.

| | |
|---|---|
| Zinc Oxide | 63.24% |
| Barium Sulphate | 36.76% |

### Formula No. 7.

| | |
|---|---|
| Basic Carbonate—White Lead | 38.50% |
| Zinc Oxide | 61.50% |

### Formula No. 9.

| | |
|---|---|
| Zinc Oxide | 74.30% |
| Calcium Carbonate | 2.40% |
| Silica | 23.30% |

### Formula No. 10.

| | Pigment analysis |
|---|---|
| Basic Carbonate—White Lead | 44.55% |
| Zinc Oxide | 45.23% |
| Calcium Carbonate | 5.16% |
| Magnesium Silicate | 5.06% |

### Formula No. 11

| | |
|---|---|
| Basic Carbonate—White Lead | 51.29% |
| Zinc Oxide | 48.71% |

### Formula No. 12.

| | |
|---|---|
| Basic Carbonate—White Lead | 61.09% |
| Zinc Oxide | 34.76% |
| Inert Pigment | 4.15% |

### Formula No. 13.

| | |
|---|---|
| Basic Sulphate—White Lead | 59.1% |
| Zinc Oxide | 29.1% |
| Magnesium Silicate | 8.4% |
| Calcium Carbonate | 3.4% |

### Formula No. 14.

| | |
|---|---|
| Basic Carbonate—White Lead | 23.72% |
| Basic Sulphate—White Lead | 20.20% |
| Zinc Oxide | 26.65% |
| Calcium Sulphate | 24.20% |
| Calcium Carbonate | 5.23% |

### Formula No. 15.

| | |
|---|---|
| Zinc Lead White | 29.30% |
| Zinc Oxide | 41.01% |
| Basic Carbonate—White Lead | 20.35% |
| Calcium Carbonate | 9.34% |

### Formula No. 16.

| | |
|---|---|
| Basic Carbonate—White Lead | 32.60% |
| Zinc Oxide | 33.70% |
| Barytes | 33.70% |

### Formula No. 17.

| | |
|---|---|
| Barytes<br>Blanc Fixe | 18.70% |
| Asbestine | 2.73% |
| Zinc Oxide | 42.08% |
| Basic Carbonate—White Lead | 36.49% |

### Formula No. 18.

| | Pigment analysis |
|---|---|
| Basic Carbonate—White Lead ..... | 77.79% |
| Zinc Oxide ..... | 22.21% |

### Formula No. 19.

| | |
|---|---|
| Basic Sulphate—White Lead ..... | 66.65% |
| Zinc Oxide ..... | 33.35% |

### Formula No. 20.

| | |
|---|---|
| Basic Carbonate—White Lead ..... | 67.36% |
| Zinc Oxide ..... | 19.68% |
| Asbestine ..... | 3.37% |
| Calcium Carbonate ..... | 9.59% |

### Formula No. 21.

| | | |
|---|---|---|
| Barium Sulphate. 71.15% | | |
| Zinc Sulphide ... 24.45% | Lithopone | 100.00% |
| Zinc Oxide ..... 4.40% | | |

### Formula No. 22.

| | | |
|---|---|---|
| Barium Sulphate. 81.13% | Barytes | |
| Zinc Sulphide .... 16.17% | & | 100.00% |
| Zinc Oxide ..... 2.68% | Lithopone | |

### Formula No. 23.

| | | |
|---|---|---|
| Barium Sulphate . 56.60% | Lithopone | |
| Zinc Sulphide .... 17.60% | & Barytes | 74.20% |
| Calcium Carbonate ..... | | 5.89% |
| Zinc Oxide ..... | | 19.91% |

### Formula No. 24.

| | | |
|---|---|---|
| Barium Sulphate . 49.59% | | |
| Zinc Sulphide .... 17.71% | Lithopone | 67.30% |
| Zinc Oxide ..... | | 22.39% |
| Asbestine ..... | | 2.11% |
| Calcium Carbonate ..... | | 8.20% |

### Formula No. 25.

| | | |
|---|---|---|
| Barium Sulphate . 53.88% | | |
| Zinc Sulphide .... 19.12% | Lithopone | 73.00% |
| Calcium Carbonate ..... | | 2.37% |
| Zinc Oxide ..... | | 24.63% |

## Formula No. 26.

| | | Pigment analysis | |
|---|---|---|---|
| Barium Sulphate | 45.82% | Lithopone | 60.75% |
| Zinc Sulphide | 14.93% | | |
| Magnesium Silicate | | | 4.01% |
| Lead Oxide | 6.14% | Sublimed | |
| Lead Sulphate | 18.55% | Lead | 24.69% |
| Calcium Carbonate | | | 5.94% |
| Zinc Oxide | | | 4.61% |

## Formula No. 27.

| | |
|---|---|
| Lithopone | 59.1% |
| Basic Carbonate—White Lead | 30.9% |
| Calcium Carbonate | 5.9% |
| Asbestine | 4.1% |

## Formula No. 33.

| | |
|---|---|
| Zinc Oxide | 32.29% |
| Special Silica | 29.64% |
| Basic Carbonate—White Lead | 13.53% |
| Basic Sulphate—White Lead | 24.54% |

## Formula No. 34.

| | |
|---|---|
| Basic Carbonate—White Lead | 38.33% |
| Lead Sulphate | 4.27% |
| Zinc Oxide | 33.70% |
| Calcium Carbonate | 18.86% |
| Barytes, etc. | 4.84% |

## Formula No. 35.

| | |
|---|---|
| Basic Carbonate—White Lead | 38.78% |
| Lead Sulphate | 7.68% |
| Zinc Oxide | 25.23% |
| Calcium Carbonate | 19.62% |
| Insoluble | 8.69% |

## Formula No. 36.

| | |
|---|---|
| Basic Carb.—White Lead (Type B). | 99.76% |

## Formula No. 37.

| | |
|---|---|
| Basic Carb.—White Lead (Type C). | 99.74% |

## Formula No. 38.

| | |
|---|---|
| Basic Carb.—White Lead (Type A). | 99.52% |

### Formula No. 39.

| | Pigment analysis | |
|---|---|---|
| Zinc Oxide | 50.73% | Zinc Lead White |
| Lead Sulphate | 49.27% | |

### Formula No. 40.

| | |
|---|---|
| Basic Sulphate—White Lead | 99.43% |

### Formula No. 45.

| | |
|---|---|
| Zinc Oxide | 91.28% |
| Calcium Carbonate | 8.72% |

### Formula No. 46.

| | |
|---|---|
| Zinc Oxide | 61.47% |
| Barium Sulphate | 38.53% |

### Formula No. 47.

| | |
|---|---|
| Zinc Oxide | 99.22% |

# CHAPTER V

## Photographs of Fence Showing Detail of Each Panel


W 2
Y 2
W 66
Y 66
C 66
W 110
Y 110
C 110
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 36
Y 36
C 36
W 144
Y 144
C 144

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 2 | Y 2 | C 2 |
| Yellow | W 56 | Y 56 | C 56 |
| Grey | W 110 | Y 110 | C 110 |

**Formula No. 1.**

| | |
|---|---|
| Basic Carbonate—White Lead | 30% |
| Zinc Oxide | 70% |



| | | | |
|---|---|---|---|
| White | W 36 | Y 36 | C 36 |
| Yellow | W 90 | Y 90 | C 90 |
| Grey | W 144 | Y 144 | C 144 |

**Formula No. 18.**

| | |
|---|---|
| Basic Carbonate—White Lead (in oil) | 75% |
| Zinc Oxide (in oil) | 25% |


W 58
Y 58
W 112
Y 112
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 58
Y 58
W 142
Y 146

# PANEL CHART OF PITTSBURG TEST FENCE

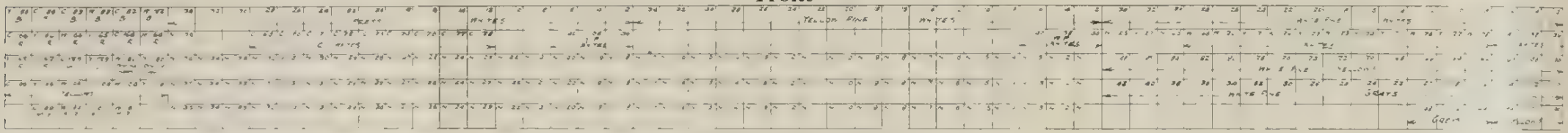



On this chart is given the formula number and percentage composition of each paint. The numbers following the formulas represent the panels upon which the paints were applied, in white, yellow and gray

**Back** Same as on chart of old farm



**Front**




Rearrangement of fences on existing farm

Old

In making experimental new farms is marked N on Front

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 4 | Y 4 | C 4 |
| Yellow | W 58 | Y 58 | C 58 |
| Grey | W 112 | Y 112 | C 112 |

| | | | |
|---|---|---|---|
| White | W 38 | Y 38 | C 38 |
| Yellow | W 92 | Y 92 | C 92 |
| Grey | W 146 | Y 146 | C 146 |

**Formula No. 2.**

| | |
|---|---|
| Basic Carbonate—White Lead | 50% |
| Zinc Oxide | 50% |

**Formula No. 19.**

| | |
|---|---|
| Basic Sulphate—White Lead (in oil) | 75% |
| Zinc Oxide (in oil) | 25% |


W 6
W 60
Y 60
C 60
W 116
Y 113
C 113
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 40
Y 40
C 40
W 148
Y 148
C 148

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 6 | Y 6 | C 6 |
| Yellow | W 60 | Y 60 | C 60 |
| Grey | W 114 | Y 114 | C 114 |

**Formula No. 3.**

| | |
|---|---|
| Basic Carbonate—White Lead | 20% |
| Basic Sulphate—White Lead | 20% |
| Zinc Oxide | 50% |
| Calcium Carbonate | 10% |



| | | | |
|---|---|---|---|
| White | W 40 | Y 40 | C 40 |
| Yellow | W 94 | Y 94 | C 94 |
| Grey | W 148 | Y 148 | C 148 |

**Formula No. 20.**

| | |
|---|---|
| Basic Carbonate—White Lead | 67% |
| Zinc Oxide | 19.5% |
| Asbestine | 3.5% |
| Calcium Carbonate | 10.0% |


Pittsburg Test Fence
INSPECTION
MAY 4 1904

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 8 | Y 8 | C 8 |
| Yellow | W 62 | Y 62 | C 62 |
| Grey | W 116 | Y 116 | C 116 |

| | | | |
|---|---|---|---|
| White | W 42 | Y 42 | C 42 |
| Yellow | W 96 | Y 96 | C 96 |
| Grey | W 150 | Y 150 | C 150 |

**Formula No. 4.**

| | |
|---|---|
| Basic Carbonate—White Lead | 48.5% |
| Zinc Oxide | 48.5% |
| Calcium Carbonate | 3.0% |

**Formula No. 21.**

| | |
|---|---|
| Lithopone | 100% |


Pittsburg Test Fence
INSPECTION
MAY 4 1909

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 10 | Y 10 | C 10 |
| Yellow | W 64 | Y 64 | C 64 |
| Grey | W 118 | Y 118 | C 118 |

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 44 | Y 44 | C 44 |
| Yellow | W 98 | Y 98 | C 98 |
| Grey | W 152 | Y 152 | C 152 |

**Formula No. 5.**

| | |
|---|---|
| Basic Carbonate—White Lead | 22% |
| Zinc Oxide | 50% |
| Calcium Carbonate | 2% |
| Alumina and Magnesium Silicate | 26% |

**Formula No. 22.**

| | |
|---|---|
| Lithopone | 66% |
| Barytes Floated | 34% |


W-66
Y-66
W-129
Y-129
Pittsburg Test Fence
INSPECTION
W-46
Y-46
W-154
Y-154

| Paint | On Panels. | | | Formula No. 6. | |
|---|---|---|---|---|---|
| White | W 12 | Y 12 | C 12 | Zinc Oxide | 64% |
| Yellow | W 66 | Y 66 | C 66 | | |
| Grey | W 120 | Y 120 | C 120 | Barytes | 36% |



| | | | | Formula No. 23. | |
|---|---|---|---|---|---|
| White | W 46 | Y 46 | C 46 | Lithopone | 70% |
| Yellow | W 100 | Y 100 | C 100 | Zinc Oxide | 15% |
| Grey | W 154 | Y 154 | C 154 | Calcium Carbonate | 5% |
| | | | | Barytes | 10% |


W 68
Y 68
W 122
Y 122
W 48
Y 48
W 156
Y 156
Pittsburg Test Fence
INSPECTION
MAY 4 1909

| Paint | On Panels. | Formula No. 7. | |
|---|---|---|---|
| White | W 14 Y 14 C 14 | Basic Carbonate—White Lead | 37% |
| Yellow | W 68 Y 68 C 68 | | |
| Grey | W 122 Y 122 C 122 | Zinc Oxide | 63% |



| | | Formula No. 24. | |
|---|---|---|---|
| White | W 48 Y 48 C 48 | Lithopone | 70% |
| Yellow | W 102 Y 102 C 102 | Zinc Oxide | 20% |
| Grey | W 156 Y 156 C 156 | Calcium Carbonate | 8% |
| | | Asbestine | 2% |


W 16
Y 16
C 16
W 70
Y 70
C 70
W 124
Y 124
C 124
Pittsburg Test Fence
INSPECTION
MAY 4th 1909
W 50
Y 50
C 50
W 158
Y 158
C 158

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 16 | Y 16 | C 16 |
| Yellow | W 70 | Y 70 | C 70 |
| Grey | W 124 | Y 124 | C 124 |

**Formula No. 8.**

| | |
|---|---|
| Basic Carbonate—White Lead | 38% |
| Zinc Oxide | 48% |
| Silica | 14% |



| | | | |
|---|---|---|---|
| White | W 50 | Y 50 | C 50 |
| Yellow | W 104 | Y 104 | C 104 |
| Grey | W 158 | Y 158 | C 158 |

**Formula No. 25.**

| | |
|---|---|
| Lithopone | 72% |
| Zinc Oxide | 24% |
| Calcium Carbonate | 2% |


W 72
W 52
W 160
Y 72
Y 52
Y 160
Pittsburg Test Fence
INSPECTION
MAY 4 1909

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 18 | Y 18 | C 18 |
| Yellow | W 72 | Y 72 | C 72 |
| Grey | W 126 | Y 126 | C 126 |

**Formula No. 9.**

| | |
|---|---|
| Zinc Oxide | 73% |
| Silica | 25% |
| Calcium Carbonate | 2% |



| | | | |
|---|---|---|---|
| White | W 52 | Y 52 | C 52 |
| Yellow | W 106 | Y 106 | C 106 |
| Grey | W 160 | Y 160 | C 160 |

**Formula No. 26.**

| | |
|---|---|
| Lithopone | 60% |
| Sublimed White Lead | 30% |
| Calcium Carbonate | 5% |
| Asbestine | 5% |


W 20
Y 20
W 74
Y 74
C 74
W 128
Y 128
C 128
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 54
Y 54
C 54
W 162
Y 162
C 162

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 20 | Y 20 | C 20 |
| Yellow | W 74 | Y 74 | C 74 |
| Grey | W 128 | Y 128 | C 128 |

**Formula No. 10.**

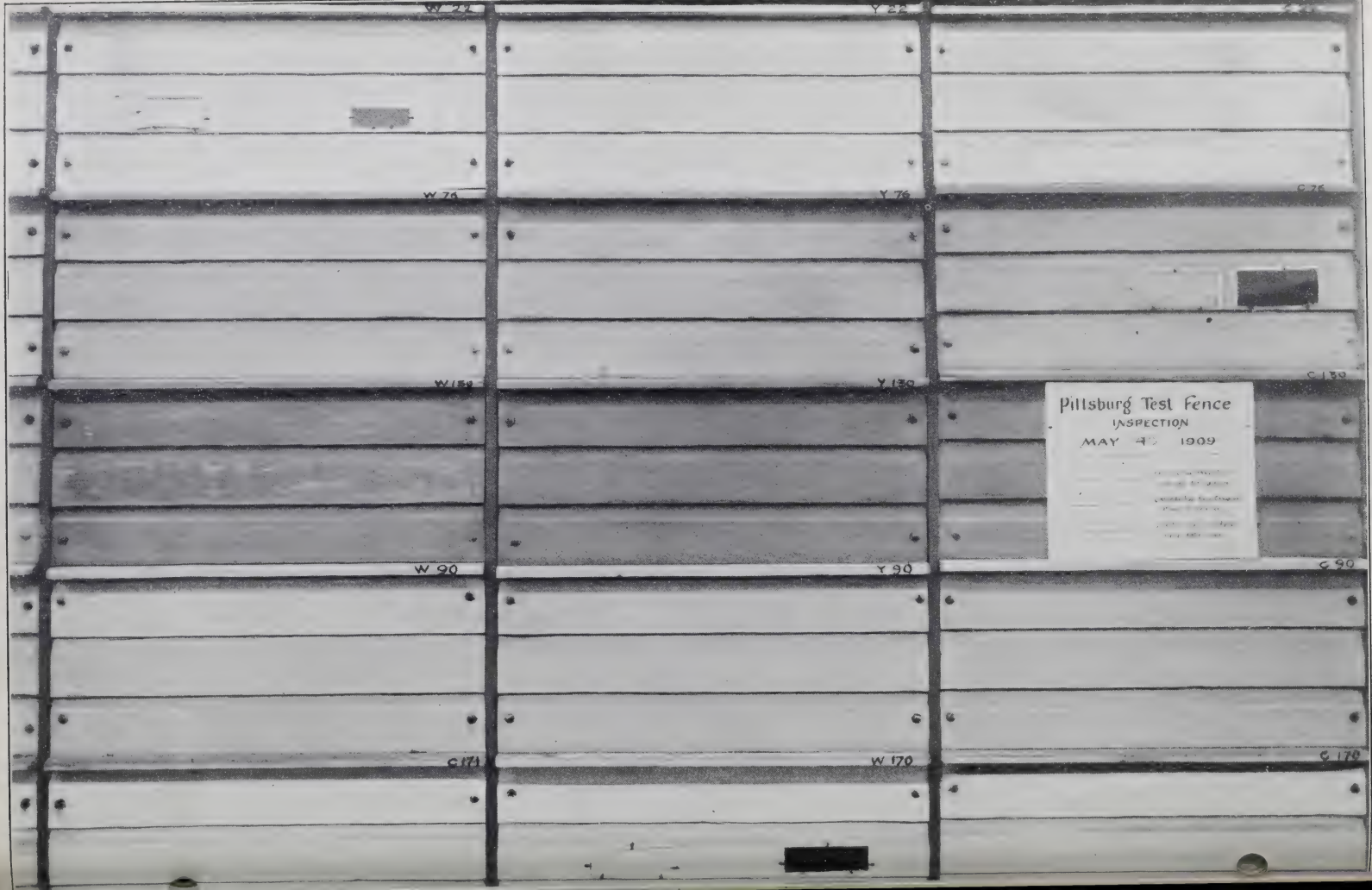
| | |
|---|---|
| Basic Carbonate—White Lead | 44% |
| Zinc Oxide | 46% |
| Calcium Carbonate | 5% |
| Magnesium Silicate | 5% |



| | | | |
|---|---|---|---|
| White | W 54 | Y 54 | C 54 |
| Yellow | W 108 | Y 108 | C 108 |
| Grey | W 162 | Y 162 | C 162 |

**Formula No. 27.**

| | |
|---|---|
| Lithopone | 60% |
| Basic Carbonate—White Lead | 30% |
| Calcium Carbonate | 5% |
| Asbestine | 5% |


W 25
Y 25
W 75
Y 75
C 75
W 130
Y 130
C 130
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 90
Y 90
C 90
C 171
W 170
C 170

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 22 | Y 22 | C 22 |
| Yellow | W 76 | Y 76 | C 76 |
| Grey | W 130 | Y 130 | C 130 |

**Formula No. 11.**

| | |
|---|---|
| Basic Carbonate—White Lead | 50% |
| Zinc Oxide | 50% |

| | | | |
|---|---|---|---|
| White | W 36 | Y 36 | C 36 |
| Yellow | W 90 | Y 90 | C 90 |
| Grey | W 144 | Y 144 | C 144 |

**Formula No. 18.**

| | |
|---|---|
| Basic Carbonate—W. L. (in oil) | 75% |
| Zinc Oxide " | 25% |

| | |
|---|---|
| White | C 171 |

**Formula No. 47.**

| | |
|---|---|
| Zinc Oxide | 100% |

Ground in special boiled oil.

| | | | |
|---|---|---|---|
| White | | W 170 | C 170 |

**Formula No. 46.**

| | |
|---|---|
| Zinc Oxide | 61% |
| Barytes | 39% |


W 28
Y 28
C 28
W 78
Y 78
C 78
W 132
Y 132
C 132
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 92
Y 92
C 92
W 108
Y 108
Y 171

| Paint | On Panels. | | |
|---|---|---|---|
| White | W 24 | Y 24 | C 24 |
| Yellow | W 78 | Y 78 | C 78 |
| Grey | W 132 | Y 132 | C 132 |
| White | W 38 | Y 38 | C 38 |
| Yellow | W 92 | Y 92 | C 92 |
| Grey | W 146 | Y 146 | C 146 |
| White | W 54 | Y 54 | C 54 |
| Yellow | W 108 | Y 108 | |
| Grey | W 162 | Y 162 | C 162 |
| White | | Y 171 | |

**Formula No. 12.**

| | |
|---|---|
| Basic Carbonate—White Lead | 60% |
| Zinc Oxide | 34% |
| Inert Pigment | 6% |

**Formula No. 19.**

| | |
|---|---|
| Basic Sulphate—W. L. (in oil) | 75% |
| Zinc Oxide " | 25% |

**Formula No. 27.**

| | |
|---|---|
| Lithopone | 60% |
| Basic Carbonate—White Lead | 30% |
| Calcium Carbonate | 5% |
| Asbestine | 5% |

**Formula No. 47.**

| | |
|---|---|
| Zinc Oxide | 100% |

Ground in special boiled oil.


W 80
Y 80
C 80
W 134
Y 134
C 134
Pittsburg Test Fence
INSPECTION
MAY 1909
W 94
Y 94
C 94
W 172
W 168
C 168

| Paint | On Panels. | Formula No. 13. | |
|---|---|---|---|
| White | W 26 Y 26 C 26 | Basic Sulphate—White Lead | 60% |
| Yellow | W 80 Y 80 C 80 | Zinc Oxide | 27% |
| Grey | W 134 Y 134 C 134 | Magnesium Silicate | 10% |
| | | Calcium Carbonate | 3% |
| | | **Formula No. 20.** | |
| White | W 40 Y 40 C 40 | Basic Carbonate—White Lead | 67% |
| Yellow | W 94 Y 94 C 94 | Zinc Oxide | 19.5% |
| Grey | W 148 Y 148 C 148 | Asbestine | 3.5% |
| | | Calcium Carbonate | 10.0% |
| | | **Formula No. 34.** | |
| | | Basic Carbonate—White Lead | 38.95% |
| White | W 172 | Basis Sulphate—White Lead | 4.81% |
| | | Zinc Oxide | 33.58% |
| | | Calcium Carbonate | 19.48% |
| | | Barytes & Silica | 3.18% |
| | | **Formula No. 33.** | |
| White | W 168 C 168 | Zinc Oxide | 30% |
| | | Special Silica | 30% |
| | | Basic Carbonate—White Lead | 15% |
| | | Basic Sulphate—White Lead | 25% |


W 28
Y 28
C 28
W 82
Y 82
C 82
W 136
Y 136
C 136
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 96
Y 96
C 96
W 173
Y 173
C 173

| Paint | On Panels. | Formula No. 14. | |
|---|---|---|---|
| White | W 28 Y 28 C 28 | Basic Carbonate—White Lead | 25% |
| Yellow | W 82 Y 82 C 82 | Basic Sulphate—White Lead | 20% |
| Grey | W 136 Y 136 C 136 | Zinc Oxide | 25% |
| | | Calcium Sulphate | 25% |
| | | Calcium Carbonate | 5% |
| | | **Formula No. 21.** | |
| White | W 42 Y 42 C 42 | | |
| Yellow | W 96 Y 96 C 96 | Lithopone | 100% |
| Grey | W 150 Y 150 C 150 | | |
| | | **Formula No. 35.** | |
| White | W 173 Y 173 C 173 | Basic Carbonate—White Lead | 37.51% |
| | | Basic Sulphate—White Lead | 7.84% |
| | | Zinc Oxide | 25.87% |
| | | Calcium Carbonate | 20.36% |
| | | Barytes & Silica | 8.42% |


W 30
Y 30
G 30
Pittsburg Test Fence
INSPECTION
MAY 1 1909

| Paint | On Panels. | | | Formula No. 15. | |
|---|---|---|---|---|---|
| White | W 30 | Y 30 | C 30 | Zinc Lead White | 30% |
| Yellow | W 84 | Y 84 | C 84 | Zinc Oxide | 40% |
| Grey | W 138 | Y 138 | C 138 | Basic Carbonate—White Lead | 20% |
| | | | | Calcium Carbonate | 10% |
| | | | | **Formula No. 22.** | |
| White | W 44 | Y 44 | C 44 | Lithopone | 66% |
| Yellow | W 98 | Y 98 | C 98 | Barytes Floated | 34% |
| Grey | W 152 | Y 152 | C 152 | | |
| | | | | **Formula No. 37.** | |
| White | Y 175 | | | Basic Carbonate—White Lead 100% Type C | |
| | | | | **Formula No. 36.** | |
| White | | Y 174 | C 174 | Basic Carbonate—White Lead 100% Type B | |


W 32
Y 32
W 86
Y 86
W 140
Y 140
Pittsburg Test Fence
INSPECTION
MAY 4 1909
W 100
Y 100
C 176
W 176
C 175

| Paint | On Panels. | Formula No. 16. | |
|---|---|---|---|
| White | W 32 Y 32 C 32 | Basic Carbonate—White Lead | 33% |
| Yellow | W 86 Y 86 C 86 | Zinc Oxide | 33% |
| Grey | W 140 Y 140 C 140 | Barytes | 34% |
| | | **Formula No. 23.** | |
| White | W 46 Y 46 C 46 | Lithopone | 70% |
| Yellow | W 100 Y 100 C 100 | Zinc Oxide | 15% |
| Grey | W 154 Y 154 C 154 | Calcium Carbonate | 5% |
| | | Barytes | 10% |
| | | **Formula No. 38.** | |
| White | C 176 W 176 | Basic Carbonate—White Lead 100% Type A | |
| | | **Formula No. 37.** | |
| White | C 175 | Basic Carbonate—White Lead 100% Type C | |


W 74
Y 74
W 88
Y 88
W 102
Y 102
Pittsburg Test Fence
INSPECTION
MAY 14 1909
C 102
W 177
Y 178
C 178

| Paint | On Panels. | | | Formula No. 17. | |
|---|---|---|---|---|---|
| White | W 34 | Y 34 | C 34 | Barytes | 13% |
| Yellow | W 88 | Y 88 | C 88 | Blanc Fixe | 4% |
| Grey | W 142 | Y 142 | C 142 | Asbestine | 3% |
| | | | | Zinc Oxide | 40% |
| | | | | Basic Carbonate—White Lead | 40% |
| | | | | **Formula No. 24.** | |
| White | W 48 | Y 48 | C 48 | Lithopone | 70% |
| Yellow | W 102 | Y 102 | C 102 | Zinc Oxide | 20% |
| Grey | W 156 | Y 156 | C 156 | Calcium Carbonate | 8% |
| | | | | Asbestine | 2% |
| | | | | **Formula No. 39.** | |
| White | W 177 | | | Zinc Lead White | 100% |
| | | | | **Formula No. 40.** | |
| White | | Y 178 | C 178 | Sublimed White Lead | 100% |


Y 186
C 186
C 185
Y 185
C 184
Y 184
W 184
C 183
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C 1
Y 1
W 1

| Paint | | | | On Panels. | |
|---|---|---|---|---|---|
| Blue | Y 186 | | | | Zinc Oxide and Ultramarine Blue |
| Blue | | C 186 | | | Zinc Oxide and Chinese Blue |
| Blue | | | | C 183 | White Lead and Chinese Blue |

**Formula No. 31.**

| | | | | | |
|---|---|---|---|---|---|
| Red | C 166 | Y 166 | | | Para Red on 100% Basic Carbonate—White Lead. |

**Formula No. 30.**

| | | | | | |
|---|---|---|---|---|---|
| Red | | | | W 165 | Para Red on 100% Lithopone Priming Coat. |

**Formula No. 32.**

| | | | | | |
|---|---|---|---|---|---|
| Red | | | Y 167 | C 167 | Para Red on 100% Basic Sulphate--White Lead Priming Coat. |

**Formula No. 43.**

| | | | | | |
|---|---|---|---|---|---|
| Green | | | | C 179 | Chrome Green. |

**Formula No. 26.**

| | | | | | |
|---|---|---|---|---|---|
| | C 52 | Y 52 | W 52 | | Lithopone 60% |
| | C 106 | Y 106 | W 106 | | Sublimed White Lead 30% |
| | C 160 | Y 160 | W 160 | | Calcium Carbonate 5% |
| | | | | | Asbestine 5% |
| White | | | C 184 | W 184 | Zinc Paint—Benzine Reduction. |


Y 185
C 184
Y 179
W 180
Pittsburg Test Fence
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C 104
W 104
Y 181
W 181
C 177

| Paint | On Panels. | | | |
|---|---|---|---|---|
| Blue | W 183 | | | White Lead and Ultramarine Blue. |
| Blue | | C 182 | | Zinc Lead and Ultramarine Blue. |
| Blue | | | W 182 | Sublimed White Lead and Ultramarine Blue. |
| | | | | **Formula No. 30.** |
| Red | Y 165 | | | Para Red on 100% Lithopone Priming Coat |
| | | | | **Formula No. 29.** |
| Red | | C 164 | W 164 | Para Red on 100% Zinc Oxide Priming Coat. |
| | | | | **Formula No. 43.** |
| Green | Y 179 | | | Chrome Green. |
| | | | | **Formula No. 42.** |
| Green | W 180 | Y 180 | | Bronze Green. |
| | | | | **Formula No. 25.** |
| | C 50 | W 50 | Y 50 | Lithopone 72% |
| | C 104 | W 104 | Y 104 | Zinc Oxide 24% |
| | C 158 | W 158 | Y 158 | Calcium Carbonate 2% |
| Blue | Y 181 | | | Zinc Lead and Chinese Blue. |
| White | | W 181 | | White Lead Priming—Lead & Zinc Paint. |
| | | | | **Formula No. 39.** |
| White | | | C 177 | Zinc Lead S. P. |

# PITTSBURG TEST FENCE

## COMPARATIVE SPREADING RATES OF WHITE PAINT ON WHITE PINE PANELS

AVERAGE SPREADING RATE 266 SQUARE FEET

| Formula Number | First Coat (sq. feet) | Second Coat (sq. feet) | Third Coat (sq. feet) | Average Spreading Rate (sq. feet) | Spreading Rate 3-Coat Work (sq. feet) |
|---|---|---|---|---|---|
| 1 | 759 | 1020 | 768 | 849 | 283 |
| 2 | 694 | 975 | 1229 | 966 | 322 |
| 3 | 743 | 873 | 770 | 795 | 265 |
| 4 | 537 | 987 | 1019 | 848 | 283 |
| 5 | 509 | 896 | 886 | 764 | 255 |
| 6 | 765 | 1045 | 994 | 935 | 312 |
| 7 | 734 | 922 | 996 | 884 | 295 |
| 8 | 565 | 862 | 854 | 760 | 253 |
| 9 | 622 | 926 | 1160 | 903 | 301 |
| 10 | 610 | 1013 | 1070 | 900 | 300 |
| 11 | 651 | 933 | 1010 | 865 | 288 |
| 12 | 675 | 1027 | 623 | 775 | 258 |
| 13 | 663 | 892 | 981 | 845 | 282 |
| 14 | 498 | 785 | 807 | 697 | 232 |
| 15 | 688 | 1000 | 984 | 891 | 297 |
| 16 | 669 | 880 | 860 | 803 | 268 |
| 17 | 635 | 982 | 1077 | 900 | 300 |
| 18 | 636 | 959 | 1031 | 875 | 292 |
| 19 | 626 | 1076 | 1037 | 913 | 304 |
| 20 | 591 | 1015 | 929 | 845 | 282 |
| 21 | 595 | 948 | 910 | 818 | 273 |
| 22 | 617 | 868 | 810 | 765 | 255 |
| 23 | 549 | 1002 | 986 | 846 | 282 |
| 24 | 539 | 918 | 783 | 747 | 249 |
| 25 | 530 | 929 | 850 | 770 | 257 |
| 26 | 532 | 916 | 1011 | 820 | 273 |
| 27 | 520 | 850 | 656 | 675 | 225 |
| 33 | 600 | 1340 | 810 | 917 | 306 |
| 34 | 471 | 743 | 690 | 635 | 212 |
| 35 | 402 | 598 | 645 | 548 | 183 |
| 36 | 398 | 668 | 838 | 635 | 212 |
| 37 | 579 | 653 | 838 | 690 | 230 |
| 38 | 463 | 615 | 704 | 594 | 198 |
| 39 | 474 | 954 | 849 | 759 | 253 |
| 40 | 446 | 815 | 871 | 711 | 237 |
| 45 | 527 | 841 | 916 | 761 | 254 |
| 46 | 605 | 740 | 818 | 721 | 240 |
| 47 | 735 | 961 | 993 | 896 | 299 |

# CHAPTER VI

## Methods of Conducting Painting Tests at Pittsburg

Because of the value of the data recorded during the application of the various formula, the record sheets follow.

As will be observed, an endeavor was made to file away all the information obtainable from the application of the various paints.

In a previous bulletin, the general outline of the methods followed in conducting the work has been published. A repetition thereof, in part, may be excusable at this place, as affording the reader of the following report a clearer conception of their meaning.

On January 30th, the work on the Pittsburg test fence was started. The work was all done in the presence of the official inspector and weigher, Mr. C. D. Alexander, acting for Dr. James of the Carnegie Technical Schools; Mr. S. Ballinger, painter for Mr. A. C. Rapp, who was appointed official painter of the fence by the Master Painters' Association of Pittsburg; Mr. J. B. Campbell, Inspector for Paint Manufacturers' Association, and was under the direction and supervision of Mr. H. A. Gardner, chemist of the Scientific Section.

The panels were arranged in sections of six—first, two white pine; second, two yellow pine; and third, two cypress —by Mr. Alexander, and in their proper sequence with regard to the consecutive numbers branded on these panels.

PAINTS. The various paints were received in quart cans labeled "Paint Manufacturers'Association," and bearing the number of the paint contained therein, but with no infor-

mation regarding the name of the manufacturer who prepared the paint nor other directions or information regarding reduction, etc. The various white leads used were received in kegs of 12 1-2 lbs. each.

BRUSHES. A heavy 7-0 round bristle brush was used for the priming coat, so that the paint could be thoroughly worked into the wood. On the second and third coats a three-inch flat chisel brush was used. These were washed and cleaned thoroughly in two washes of turpentine after applying one number of paint on all six panels in one color. The painter then worked out all the paint from the brush and set the brush in pot No. 1, turpentine. The inspector then washed them thoroughly in pots Nos. 1 and 2, of turpentine, then dried them and handed them to me, and, after carefully noting that no pigment was left in the brushes, they were thoroughly worked into the next number of paint to be used. In this way no pigment was carried over from one paint to another.

SHELLACING. Orange shellac was applied to knots on the bare wood of those panels used for paints Nos. 8 to 27, and over the priming coat on those panels used for paints Nos. 1 to 8. The shellac was applied by the inspector, Mr. Parthree. By this method we have two conditions of shellacing, from which we hope to draw inferences later on as to the best method of application.

## PRIMING COAT.

A full quart can of paint as received was placed upon a correct set of balances and the gross weight was taken in grams and the weight of the paint as received was marked on the weighing sheets.

The can was then opened and the contents was poured into a half-gallon enamel pot and thoroughly broken up and stirred well to bring the mixture to thorough incorporation. The consistency was then noted and one-half of this paint was transferred to two half-pint friction top cans, which were sealed and marked with the number of the paint and name of the fence, and later on one set of these cans was

sent to the Scientific Section, and the other sent to Committee E, of the American Society for Testing Materials, for future reference and analysis.

Proper reduction was made for the priming coat of the balance of the paint in the enamel pot, and it was then ready for application. The brush used for the priming coat was thoroughly worked into the paint and then the pot, paint and brush were placed upon the balance and the weight taken by the official weigher in grams, using the metric system throughout in this test. The pot was then handed to the painter who applied the paint to one panel. After proper application, the brush, pot and paint were then handed back to the weigher and reweighed, the difference in weight being the weight of the paint in grams used on the panel, recording same on the weighing sheet, also the number of the panel upon which the paint was applied and the kind of lumber. This method of procedure was followed throughout the tests on every formula and on every panel.

The drying of the priming coat was noted every twenty-four hours on the different woods and the penetration was observed at the same time. The priming coat was allowed eight days to dry, and during this period inspection was made as to the drying.

At this period a black cross was stenciled upon the end of the middle board of each panel with lampblack. This was placed there in order that we might observe the hiding power of the different formulas on the second and third coats.

## SECOND COAT.

The weather conditions prevailing during the application of the second coat were practically the same as during the first coat, and the temperature was noted every day. A new can of paint was used for each test on the second coat, and the method of weighing used in the first coat was followed throughout. The contents of a fresh can of paint was placed into the enamel pot and thoroughly broken up. The consistency was then carefully noted, and one pint was used

for reduction, this reduction being recorded on a separate sheet. The reduction was made with oil and turpentine, taking into consideration the formula and color of each paint. The consistency of the reduced paint was taken and carefully noted upon the data sheet. The covering was noted at the time of application and marked down. The penetration and drying were noted every twenty-four hours. This coat was allowed about nine days to dry, with frequent inspection.

## THIRD COAT.

A new package of paint was opened and the entire contents was poured into the enamel pot, and after being thoroughly broken up and mixed, was used as received, without reduction wherever possible, and where reduction was necessary, it was made and carefully noted. The same system of weighing was used in the third coat as on the first and second coats. The covering and working of the paint was carefully noted at the time of application, and inspection of the covering was made after the work was finished and the panel ready to be screwed to the fence. At this time glass slides of plain and orange glass, in frames, were placed on different panels.

LEADS. The leads were reduced by the ounce system, each ounce of vehicle added to 12 1-2 oz. of paste lead as received representing one gallon of vehicle to 100 lbs. lead. The amount of reduction was carefully noted, and the reduction compared with the consistency of the mixed paints used, thus giving a test throughout of equal conditions and applications.

# CHAPTER VII

## Data on Applications and Reductions

### FIRST COAT.

#### Formula No. 1. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction recommended—not used.
Reduction used—1 pint turps, 1 quart oil to gallon of paint.
Consistency after reducing—good.
Working—good.
Drying on white and yellow pine—good; cypress—poor.
Penetration pines—good; cypress—poor.

#### Formula No. 2. White and Yellows.

Condition when opened—good.
Consistency when broken up—heavy.
Reduction recommended—none.
Reduction used—3 pints raw oil, 1 pint turps, 1 gallon paint.
Consistency after reducing—good, stiff.
Working—fair.
Drying—fair on pines; cypress—poor.
Penetration, pines—good; cypress—poor.

#### Formula No. 3. White and Yellows.

Condition when opened—good.
Consistency when broken up—heavy.
Reduction recommended—none.

Reduction used—1½ pints turps, 3 pints oil.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration, soft pines—good; yellow—fair; cypress—medium.

### Formula No. 4. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1½ pints raw oil.
Consistency after reducing—good.
Working—good.
Drying, pines—good; cypress—poor.
Penetration, soft pines—good; yellow—fair; cypress—medium.

### Formula No. 5. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint raw oil, ½ pint turps.
Drying on pines—good; cypress—poor.
Penetration, pines—good; cypress—medium.

### Formula No. 6. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—3 pints oil, ½-pint turps.
Consistency after reducing—good.
Working—good.
Drying—poor on all woods.
Penetration on pines—fair; cypress—poor.

### Formula No. 7. White and Yellow.

Condition when opened—tendency to harden in bottom of package.
Consistency when broken up—good.
Reduction recommended—none.

Reduction used—3 pints oil, ½-pint turps. This paint contains large percentage of turps in mix.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 8. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—1½ pints turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—dried in spots.
Penetration on pines—good; cypress—fair.

### Formula No. 9. White and Yellow.

Condition when opened—mushy.
Consistency when broken up—mushy.
Reduction recommended—1 quart oil, 1 pint turps.
Consistency after reducing—mushy.
Working—easy.
Drying—poor.
Penetration—poor.

### Formula No. 10. White and Yellow.

Condition when opened—good.
Consistency when broken up—good, mushy.
Reduction used—1 quart raw oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—spots.
Penetration on pines—good; cypress—fair.

### Formula No. 11. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.

Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—cypress, spots.
Penetration on pines—good; cypress—medium.

### Formula No. 12. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—slow; cypress—poor.
Penetration on pines—fair; cypress—poor.

### Formula No. 13. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction recommended—none.
Reduction used—2 pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying on white pine—good; cypress—slow.
Penetration on pines—good; cypress—fair.

### Formula No. 14. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction recommended—none.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying pines—fair; cypress—spots.
Penetration, pines—good; cypress—fair.

### Formula No. 15. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.

Reduction recommended—none.
Reduction used—1 quart oil, 1½ pints turps.
Consistency after reducing—good.
Working—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 16. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying—good; spots on cypress.
Penetration, pines—good; few spots on cypress

### Formula No. 17. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium to fair.
Reduction used—1½ pints oil, 1 pint turps.
Consistency after reducing—medium.
Working—good.
Drying—medium slow, spots on cypress.
Penetration, pines—good; cypress—medium.

### Formula No. 18. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1½ pints oil, ¾-pint turps.
Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 19. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, 1½ pints turps.

Consistency after reducing—good.
Working—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 20. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair to medium.
Reduction used—1 pint oil, 1½ pints turps.
Consistency after reducing—good.
Working good.
Drying on pines—good; cypress—fair.
Penetration—good; cypress—spots.

### Formula No. 21. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—½-pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying pines—fair; cypress—poor.
Penetration on pines—good; cypress—fair.

### Formula No. 22. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—½-pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Drying, pines—fair; cypress—poor.
Penetration on pines—good; cypress—fair.

### Formulas Nos. 23, 24, 25, 26, 27, 28. Whites and Yellows.

All 6 numbers received same reduction and were the same in consistency, drying and penetration.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, 1½ pints turps.

Consistency after reducing—good.
Working—good.
Drying on pines—slow, dry in 6 days; Cypress—dried in spots.
Penetration on pines—good; cypress—fair.

### Formula No. 33. White.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint oil, ½-pint turps.
Consistency after reducing—medium.

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## SECOND COAT.

### Formula No. 1. White and Yellow.

Consistency when broken up—medium.
Reduction used—1 pint turps, ½-pint B. O.
Consistency after reducing—good.
Working—good.
Hiding—good on pine.
Drying—good on pine.
Penetration on pine—good; cypress—poor.

### Formula No. 2. White and Yellow.

Consistency when broken up—heavy.
Reduction used—1½ pints turps, 1 pint B. O.
Consistency after reducing—good.
Working—good.
Hiding—medium.
Drying on pines—good; cypress—poor. Japan added, ½-pint to gallon of paint.
Penetration—fair.

### Formula No. 3. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.

Reduction used—1½ pints turps, 1½ pints B. O.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good.
Penetration—good; few spots on cypress.

### Formula No. 4. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; few spots on cypress.
Penetration on pines—good; few spots on cypress.

### Formula No. 5. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—fair.
Drying on pines—good; cypress—poor. Dryers added.
Penetration on pines—good; cypress—poor.

### Formula No. 6. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1½ pints turps, 1½ pints B. O.
Consistency after reducing—good.
Working—good.
Hiding—medium to fair.
Drying—poor, slow. Cypress had to be set out to harden. Japan added.
Temperature—31 degrees.

### Formula No. 7. White and Yellow.

Condition when opened—tendency to harden in bottom.
Consistency when broken up—good.
Reduction used—1 pint oil, 1 pint turps.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 8. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, ¾-pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying—good; spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 9. White and Yellow.

Condition when opened—mushy.
Consistency when broken up—mushy.
Reduction used—1½ pints turps.
Consistency after reducing—fair.
Working—fair.
Hiding—poor.
Drying—fair.
Penetration—fair.

### Formula No. 10. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium-mushy.
Reduction used—1½ pints turps, 1 pint B. O.
Consistency after reducing—good.
Working—good.

Hiding—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 11. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—medium.
Penetration on pine—good; cypress—medium.

### Formula No. 12. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—medium.
Penetration on pine—good; cypress—medium.

### Formula No. 13. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pines—good; cypress—medium.
Penetration on pines—good; cypress—medium.

### Formula No. 14. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—1 pint turps, ½ O.

Consistency after reducing—fair.
Working—fair.
Hiding—fair to medium.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—medium.

### Formula No. 15. White and Yellow.

Condition when opened—good.
Consistency when broken up—heavy.
Reduction used—1½ pints turps, 1½ pints oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pines—good; cypress—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 16. White and Yellow.

Condition when opened—good.
Consistency when broken up—good.
Reduction used—1 pint turps, 1 pint oil.
Consistency after reducing—good.
Working—good.
Hiding—good.
Drying on pine—good; cypress—fair.
Penetration on pine—good; cypress—fair.

### Formula No. 17. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair.
Reduction used—1 pint turps, ½-pint. oil.
Consistency after reducing—medium.
Working—medium.
Drying on pine and cypress—fair.
Hiding—medium.
Penetration—fair.

### Formula No. 18. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.

Reduction used—½-pint oil, ½-pint turps.
Consistency after reducing—medium.
Working—fair.
Hiding—fair.
Drying—fair.
Penetration on pines—good; cypress—fair.

### Formula No. 19. White and Yellow.

Condition when opened—good.
Consistency when broken up—medium.
Reduction used—2-3-pint turps, ½-pint oil.
Consistency after reducing—fair.
Working—hard.
Hiding—fair.
Drying—fair.
Penetration—fair.

### Formula No. 20. White and Yellow.

Condition when opened—good.
Consistency when broken up—fair to medium.
Reduction used—1 pint turps, ½-pint oil.
Consistency after reducing—medium.
Working—good.
Hiding—good.
Drying—fair.
Penetration—fair.

### Formulas Nos. 21 and 22. Whites and Yellows.

Condition when opened—fair. Mixing bad, not well incorporated.
Consistency when broken up—medium.
Reduction used—1 pint turps.
Consistency after reducing—fair.
Working—fair.
Hiding—fair.
Drying—fair; spots on cypress.
Penetration on pine—good; cypress—fair.

### Formulas Nos. 23, 24, 25, 26, 27 and 28. Whites and Yellows.

Condition when opened—fair in mixing.
Consistency when broken up—medium.
Reduction used—1 pint turps, ½-pint oil.
Consistency after reducing—fair.
Working—fair.
Hiding—Medium.
Drying on pines—fair; some spots on cypress.
Penetration on pines—good; cypress—fair.

### Formula No. 33. White.

Condition when opened—good.
Reduction used—1 pint turps.
Consistency after reducing—good.
Working—good.
Hiding—medium.
Drying—good.

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## FIRST COAT.

### Formula No. 1. Gray.

Condition when opened—good.
Reduction recommended—not followed.
Reduction used—1 pint turps, 1 pint raw oil.
Drying—slow; cypress—spots.

### Formula No. 2. Gray.

Reduction used—3 pints raw oil, 1½ pints turps.
Drying—slow; cypress—spots.

### Formula No. 3. Gray.

Reduction used—1½ pints turps, 3½ pints oil.
Drying—slow; cypress—hard on surface.

### Formula No. 4. Gray.

Reduction used—1½ pints turps, 3 pints oil.
Drying—slow; cypress—surface dried.

### Formula No. 5. Gray.

Reduction used—2 pints oil, 1 pint turps.
Drying—slow; cypress—poor, 2d coat worked up, spots.

### Formula No. 6. Gray.

Reduction used—3½ pints oil, 1½ pints turps.
Drying—poor; cypress had to be set out, japan added.

### Formula No. 7. Gray.

Reduction used—3 pints, 1 pint turps.
Drying—good; cypress—good.

### Formula No. 8. Gray.

Reduction used—1½ pints turps, 1½ pints oil.
Drying—good; cypress—fair.

### Formula No. 9. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—poor.

### Formula No. 10. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good; cypress—spots.

### Formula No. 11. Gray.

Reduction used—1 pint oil, 1 pint turps.
Drying—good on pine; cypress—fine.

### Formula No. 12. Gray.

Reduction used—1 pint oil, 1 turps.
Drying—Good; cypress—medium.

### Formula No. 13. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good on pine; cypress—spots.

### Formula No. 14. Gray.

Reduction used—2 pints oil, 1½ pints turps.
Drying—good; few spots on cypress.

### Formula No. 15. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good.

### Formula No. 16. Gray.

Reduction used—1 quart oil, 1½ pints turps.
Drying—good; few spots on cypress.

### Formula No. 17. Gray.

Reduction used—1 quart oil, 1 pint turps.
Drying—slow on pine; cypress—spots.

### Formula No. 18. Gray.

Reduction used—1 quart oil, 1 pint turps.
Drying—slow on pine; cypress—fine.

### Formula No. 19. Gray.

Reduction used—1½ pints oil, 1½ pints turps.
Drying—good on pine; cypress—fine.

### Formula No. 20. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 21. Gray.

Reduction used—1 pint oil, 1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 22. Gray.

Reduction used—1 pint oil, 1 pint turps.
Drying—good on pine; fair on cypress.

### Formulas Nos. 23 to 27. Grays.

Reduction used—1 pint oil, 1½ pints turps.
Drying—slow on pine; cypress—in spots.

## SECOND COAT.

### Formula No. 1. Gray.

Reduction used—1½ pints turps.
Drying—good on pine.

### Formula No. 2. Gray.

Reduction used—1½ pints turps.
Drying—good on pine; cypress—spots.

### Formula No. 3. Gray.

Reduction used—1½ pints turps, ½-pint oil.
Drying—good.

### Formula No. 4. Gray.

Reduction used—1½ pints turps.

### Formula No. 5. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 6. Gray.

Reduction used—1 pint turps.
Drying—fine on pine; spots on cypress.

### Formula No. 7. Gray

Reduction used—1 pint turps, 1 pint oil. This paint had turps used in manufacturing.
Drying—good.

### Formula No. 8. Gray.

Reduction used—1 pint turps.
Drying—good.

### Formula No. 9. Gray.

Reduction used—1½ pints turps.
Drying—fair; spots on cypress.

### Formula No. 10. Gray.

Reduction used—1½ pints turps.
Drying—good on pine; fine on cypress.

### Formula No. 11. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 12. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 13. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 14. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 15. Gray.

Reduction used—1½ pints turps, ½-pint oil.
Drying—good.

### Formula No. 16. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 17. Gray.

Reduction used—1 pint turps.
Drying—fine on pine; spots on cypress.

### Formula No. 18. Gray.

Reduction used—1 pint turps.
Drying—good on pine.

### Formula No. 19. Gray.

Reduction used—1 pint turps.
Drying—fair on all woods.

### Formula No. 20. Gray.

Reduction used—1 pint turps.
Drying—fair on all woods.

### Formulas Nos. 21 and 22. Grays.

Reduction used—1½ pints turps.
Drying—good on pine; spots on cypress.

### Formulas Nos. 23 to 27. Grays.

Reduction used—1 pint turps.
Drying—good on pine; spots on cypress.

## THIRD COAT.

### Formula No. 1. All colors.

Reduction used as received.

### Formula No. 2. All colors.

Reduction used—1 pint oil, ½-pint turps.

### Formula No. 3. All colors.

Reduction used—1½ pints oil, ½-pint turps.

### Formula No. 4. All colors.

Reduction used—1 pint oil, ½-pint turps.

### Formula No. 5. All colors.

Reduction used—½-pint oil, ½-pint turps.

### Formula No. 6. All colors.

Reduction used—1½ pints oil, ½-pint turps.

### Formula No. 7. All colors.

Reduction used—1 pint oil.

### Formula No. 8. All colors.

Reduction used as received.

### Formula No. 9. All colors.

Reduction used—½-pint turps.

**Formula No. 10. All colors.**

Reduction used—½-pint oil, ½-pint turps.

**Formula No. 11. All colors.**

Reduction used as received.

**Formula No. 12. All colors.**

Reduction used as received.

**Formula No. 13. All colors.**

Reduction used—½-pint oil, ½-pint turps.

**Formula No. 14. All colors.**

Reduction used—½-pint turps and oil.

**Formula No. 15. All colors.**

Reduction used—1½ pints oil, ½-pint turps.

**Formula No. 16. All colors.**

Reduction used—½-pint turps.

**Formulas Nos. 17 to 26. All colors.**

Reduction used as received.

## LEAD REDUCTIONS.

**Calculated on 100-lb. Lead Paste.**

### PRIMING COAT.

**Formulas Nos. 34 and 35.**

7½ gallons oil, ¾-gallon turps, 1 pint japan.

**Formula No. 36.**

9 gallons oil, 1 pint japan.

**Formulas Nos. 37-38.**

6½ gallous oil, ½-gallon turps, 1 pint turps japan.

**Formulas Nos. 39-40.**

6½ gallons oil, 1 gallon turps.

## SECOND COAT.

### Formulas Nos. 34-35.

4½ gallons oil, 1 gallon turps, 1 pint japan.

### Formula No. 36.

4½ gallons oil, 1 pint turps.

### Formulas Nos. 37-38.

3½ gallons oil, 1 gallon turps, 1 pint japan.

### Formulas Nos. 39-40.

4 gallons oil, 1¼ gallons turps, 1 pint japan.

## THIRD COAT.

### Formulas Nos. 34-35.

4 gallons oil, 1 pint japan, 1 pint turps.

### Formula No. 36.

4½ gallons oil, 1 pint japan.

### Formulas Nos. 37-38.

3 gallons oil, 1 pint turps, ½-pint japan.

### Formulas Nos. 39-40.

4 gallons oil, 1 pint turps, ½-pint japan.

# CHAPTER VIII

## Record of Weights and Spreading Capacities

An accurate record of the weight of paint brushed on each coat of each panel was made, and the complete data of weights is hereby given. The spreading rate of the White Paints are given for all formulae.

The figures at the extreme right represent the spreading rate.

### No. 1 WHITE PAINT

| Grammes. | 1st Coat. | | Spreading Rate. |
|---|---|---|---|
| 1875 | Wt. of ¼ gal. Paint as received. | | |
| 1600 | Wt. of reduced paint before use. | | |
| 1555 | " " " " after use. | | |
| 45 | " " paint applied to W. P. Panel, No. | 1 | 759 sq. ft. |
| 1555 | | | |
| 1507 | Ditto, | | |
| 48 | " " Y. P. Panel No. | 1 | 712 sq. ft. |
| 1507 | | | |
| 1462½ | Ditto | | |
| 44½ | C. Panel, No. | 1 | 768 sq. ft. |
| 1462½ | | | |
| 1408 | Ditto | | |
| 54½ | W. P. Panel No. | 2 | 627 sq. ft. |
| 1408 | | | |
| 1351 | Ditto | | |
| 57 | Y. P. Panel No. | 2 | 599 sq. ft. |
| 1351 | | | |
| 1310 | Ditto | | |
| 41 | C. Panel No. | 2 | 833 sq. ft. |

## No. 2 WHITE PAINT.

### 1st Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1957 | Wt. of ¼ gal. Paint as received. | | | | |
| 1701½ | " | " | reduced paint before use. | | |
| 1647½ | " | " | " " after use. | | |
| 54 | " | " | paint applied to W. P. Panel, No. | 3 | 694 sq. ft. |
| 1647½ | | | | | |
| 1595 | | Ditto | | | |
| 52½ | | | Y. P. Panel No. | 3 | 714 sq. ft. |
| 1595 | | | | | |
| 1552½ | | Ditto | | | |
| 42½ | | | C. Panel No. | 3 | 881 sq. ft. |
| 1552½ | | | | | |
| 1509 | | Ditto | | | |
| 43½ | | | W. P. Panel No. | 4 | 861 sq. ft. |
| 1509 | | | | | |
| 1460½ | | Ditto | | | |
| 48½ | | | Y. P. Panel No. | 4 | 772 sq. ft. |
| 1460½ | | | | | |
| 1416 | | Ditto | | | |
| 44½ | | | C. Panel No. | 4 | 842 Sq. ft. |

## No. 3 WHITE PAINT.

### 1st Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2213 | Wt. of ¼ gal. paint as received. | | | | |
| 1845½ | " | " | reduced paint before use. | | |
| 1789 | " | " | " " after use. | | |
| 56½ | " | " | paint applied to W. P. Panel No. | 5 | 743 sq. ft. |
| 1789 | | | | | |
| 1726½ | | Ditto | | | |
| 52½ | | | Y. P. Panel No. | 5 | 799 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1721½ | | | |
| 1674 | Ditto | | |
| 47½ | | C. Panel No. 5 | 883 sq. ft. |
| 1674 | | | |
| 1608½ | Ditto | | |
| 65 | | W. P. Panel No. 6 | 647 sq. ft. |
| 1608 | | | |
| 1552 | Ditto | | |
| 56 | | Y. P. Panel No. 6 | 749 sq. ft. |
| 1552 | | | |
| 1487 | Ditto | | |
| 65 | | C. Panel No. 6 | 647 sq. ft. |

## No. 4 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 2249 | Wt. of ¼ gal. paint as received. | | |
| 1938 | " " reduced paint before use. | | |
| 1864½ | " " " " after use. | | |
| 73½ | " " paint applied to W. P. Panel No. 7 | | 537 sq. ft. |
| 1864½ | | | |
| 1803½ | Ditto | | |
| 61 | | Y. P. Panel No. 7 | 647 sq. ft. |
| 1803½ | | | |
| 1749½ | Ditto | | |
| 54 | | C. Panel No. 7 | 730 sq. ft. |
| 1749½ | | | |
| 1697½ | Ditto | | |
| 52 | | W. P. Panel No. 8 | 759 sq. ft. |
| 1697½ | | | |
| 1648 | Ditto | | |
| 49½ | | Y. P. Panel No. 8 | 797 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1648 | | | |
| 1605½ | Ditto | | |
| 42½ | | C. Panel No. 8 | 928 sq. ft. |

## No. 5 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1720½ | Wt. of ¼ gal. paint as received. | | |
| 1526 | " " reduced paint before use. | | |
| 1468½ | " " " " after use. | | |
| 57½ | " " paint applied to W. P. Panel No. 9 | | 509 sq. ft. |
| 1468½ | | | |
| 1422½ | Ditto | | |
| 46 | | Y. P. Panel No. 9 | 637 sq. ft. |
| 1422½ | | | |
| 1378½ | Ditto | | |
| 44 | | C. Panel No. 9 | 665 sq. ft. |
| 1378½ | | | |
| 1333½ | Ditto | | |
| 45 | | W. P. Panel No. 10 | 651 sq. ft. |
| 1333½ | | | |
| 1290½ | Ditto | | |
| 43 | | Y. P. Panel, No. 10 | 681 sq. ft. |
| 1290½ | | | |
| 1250½ | Ditto | | |
| 40 | | C. Panel No. 10 | 732 sq. ft. |

## No. 6 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1926 | Wt. of ¼ gal. paint as received. | | |
| 1665½ | " " reduced paint before use. | | |
| 1617 | " " " " after use. | | |
| 48½ | " " paint applied to W. P. Panel No. 11 | | 765 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1617 | | | |
| 1560 | Ditto | | |
| 57 | | Y. P. Panel No. 10 | 651 sq. ft. |
| 1560 | | | |
| 1514 | Ditto | | |
| 46 | | C. Panel No. 11 | 807 sq. ft. |
| 1514 | | | |
| 1467½ | Ditto | | |
| 46½ | | W. P. Panel No. 12 | 798 sq. ft. |
| 1467½ | | | |
| 1415½ | Ditto | | |
| 52 | | Y. P. Panel No.12 | 714 sq. ft. |
| 1415½ | | | |
| 1367½ | Ditto | | |
| 48 | | C. Panel No. 12 | 773 sq. ft. |

## No. 7 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 2113½ | Wt. of ¼ gal. of paint as received. | | |
| 1814 | " " reduced paint before use. | | |
| 1762 | " " " " after use. | | |
| 52 | " " paint applied to W. P. Panel No. 13 | | 734 sq. ft. |
| 1762 | | | |
| 1695 | Ditto | | |
| 67 | | Y. P. Panel No. 13 | 569 sq. ft. |
| 1695 | | | |
| 1646 | Ditto | | |
| 49 | | C. Panel No. 13 | 778 sq. ft. |
| 1646 | | | |
| 1589 | Ditto | | |
| 57 | | W. P. Panel No. 14 | 669 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1589 | | | |
| 1531 | Ditto | | |
| 58 | | Y. P. Panel No. 14 | 658 sq. ft. |
| 1531 | | | |
| 1483 | Ditto | | |
| 48 | | C. Panel No. 14 | 795 sq. ft. |

## No. 8 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1914 | Wt. of ¼ gal. paint as received. | |
| 1703½ | " " reduced paint before use. | |
| 1645 | " " " " after use. | |
| 58½ | " " paint applied to W. P. Panel No. 15 | 565 sq. ft. |
| 1645 | | |
| 1585½ | Ditto | |
| 59½ | Y. P. Panel No. 15 | 555 sq. ft. |
| 1585½ | | |
| 1532 | Ditto | |
| 53½ | C. Panel No. 15 | 618 sq. ft. |
| 1532 | | |
| 1480 | Ditto | |
| 52 | W. P. Panel No. 16 | 635 sq. ft. |
| 1480 | | |
| 1423½ | Ditto | |
| 56½ | Y. P. Panel No. 16 | 585 sq. ft. |
| 1423½ | | |
| 1372½ | Ditto | |
| 51 | C. Panel, No. 16 | 648 sq. ft. |

## No. 9 WHITE PAINT.

| Grammes. | 1st Coat. | Spreading Rate. |
|---|---|---|
| 1541½ | Wt. of ¼ gal. paint as received. | |
| 1489 | " " reduced paint before use. | |
| 1443 | " " " " after use. | |
| 46 | " " paint applied to W. P. Panel No. 17 | 622 sq. ft. |
| 1443 | | |
| 1403 | Ditto | |
| 40 | Y. P. Panel No. 17 | 716 sq. ft. |
| 1403 | | |
| 1368 | Ditto | |
| 35 | C. Panel No. 17 | 818 sq. ft. |
| 1368 | | |
| 1330 | Ditto | |
| 38 | W. P. Panel, No. 18 | 753 sq. ft. |
| 1330 | | |
| 1290 | Ditto | |
| 40 | Y. P. Panel No. 18 | 716 sq. ft. |
| 1290 | | |
| 1252 | Ditto | |
| 38 | C. Panel No. 18 | 753 sq. ft. |

## No. 10 WHITE PAINT.

### 1st Coat.

| | |
|---|---|
| 1878 | Wt. of ¼ gal. paint as received. |
| 1601½ | " " reduced paint before use. |
| 1545 | " " " " after use. |
| 56½ | " " paint applied to W. P. Panel No. 19 — 610 sq. ft. |
| 1545 | |
| 1495 | Ditto |
| 50 | Y. P. Panel No. 19 — 689 sq. ft. |
| 1495 | |
| 1447 | Ditto |
| 48 | C. Panel No. 19 — 718 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1447 | | | |
| 1394 | Ditto | | |
| 53 | | W. P. Panel No. 20 | 650 sq. ft. |
| 1394 | | | |
| 1346 | Ditto | , | |
| 48 | | Y. P. Panel No. 20 | 718 sq. ft. |
| 1346 | | | |
| 1301 | Ditto | | |
| 45 | | C. Panel No. 20 | 765 sq. ft. |

## No. 11 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1965½ | Wt. of ¼ gal. paint as received. | | |
| 1723 | " " reduced paint before use. | | |
| 1670 | " " " " after use. | | |
| 53 | " " paint applied to W. P. Panel No. 21 | | 651 sq. ft. |
| 1670 | | | |
| 1616½ | Ditto | | |
| 53½ | | Y. P. Panel No. 21 | 645 sq. ft. |
| 1616½ | | | |
| 1571 | Ditto | | |
| 45½ | | C. Panel No. 21 | 759 sq. ft. |
| 1571 | | | |
| 1512 | Ditto | | |
| 59 | | W. P. Panel No. 22 | 585 sq. ft. |
| 1512 | | | |
| 1464½ | Ditto | | |
| 47½ | | Y. P. Panel No. 22 | 729 sq. ft. |
| 1464½ | | | |
| 1413½ | Ditto | | |
| 51 | | C. Panel No. 22 | 677 sq. ft. |

## No. 12 WHITE PAINT.

### 1st Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1822½ | Wt. of ¼ gal. paint as received. | | | |
| 1578½ | " | " | reduced paint before use. | |
| 1530 | " | " | " " after use. | |
| 48½ | " | " | paint applied to W. P. Panel No. 23 | 675 sq. ft. |
| 1530 | | | | |
| 1479 | | Ditto | | |
| 51 | | | Y. P. Panel No. 23 | 642 sq. ft. |
| 1479 | | | | |
| 1441½ | | Ditto | | |
| 37½ | | | C. Panel No. 23 | 874 sq. ft. |
| 1441½ | | | | |
| 1390½ | | Ditto | | |
| 51 | | | W. P. Panel No. 24 | 642 sq. ft. |
| 1390½ | | | | |
| 1344 | | Ditto | | |
| 46½ | | | Y. P. Panel No. 24 | 705 sq. ft. |
| 1344 | | | | |
| 1302½ | | Ditto | | |
| 41½ | | | C. Panel No. 24 | 789 sq. ft. |

## No. 13 WHITE PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1862 | Wt. of ¼ gal. paint as received. | | | |
| 1507½ | " | " | reduced paint before use. | |
| 1455 | " | " | " " after use. | |
| 52½ | " | " | paint applied to W. P. Panel No. 25 | 663 sq. ft. |
| 1455 | | | | |
| 1398 | | Ditto | | |
| 57 | | | Y. P. Panel No. 25 | 610 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1398 | | |
| 1357 | Ditto | |
| 41 | C. Panel No. 25 | 849 sq. ft. |
| 1357 | | |
| 1304½ | Ditto | |
| 52½ | W. P. Panel No. 26 | 663 sq. ft. |
| 1304½ | | |
| 1257 | Ditto | |
| 47½ | Y. P. Panel No. 26 | 733 sq. ft. |
| 1257 | | |
| 1214 | Ditto | |
| 43 | C. Panel No. 26 | 809 sq. ft. |

## No. 14 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1790 | Wt. of ¼ gal. paint as received. | |
| 1401½ | " " reduced paint before use. | |
| 1338 | " " " " after use. | |
| 63½ | " " paint applied to W. P. Panel No. 27 | 498 sq. ft. |
| 1338 | | |
| 1288½ | Ditto | |
| 49½ | Y. P. Panel No. 27 | 639 sq. ft. |
| 1288½ | | |
| 1228½ | Ditto | |
| 60 | C Panel No. 27 | 527 sq. ft. |
| 1228½ | | |
| 1180½ | Ditto | |
| 48 | W. P. Panel No. 28 | .659 sq. ft. |
| 1180½ | | |
| 1125½ | Ditto | |
| 55 | Y. P. Panel No. 28 | 575 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1125½ | | |
| 1075 | Ditto | |
| 50½ | C. Panel No. 28 | 626 sq. ft. |

## No. 15 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1966 | Wt. of ¼ gal. paint as received. | |
| 1651 | " " reduced paint before use. | |
| 1598 | " " " " after use. | |
| 53 | " " paint applied to W. P. Panel No. 29 | 688 sq. ft. |
| 1598 | | |
| 1542 | Ditto | |
| 56 | Y. P. Panel No. 29 | 651 sq. ft. |
| 1542 | | |
| 1497½ | Ditto | |
| 44½ | C. Panel No. 29 | 819 sq. ft. |
| 1497½ | | |
| 1442 | Ditto | |
| 55½ | W. P. Panel No. 30 | 657 sq. ft. |
| 1442 | | |
| 1388 | Ditto | |
| 54 | Y. P.Panel No. 30 | 675 sq. ft. |
| 1388 | | |
| 1340½ | Ditto | |
| 47½ | C. Panel No. 30 | 767 sq. ft. |

## No. 16 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2013 | Wt. of ¼ gal. paint as received. | |
| 1622½ | " " reduced paint before use. | |
| 1570 | " " " " after use. | |
| 52½ | " " paint applied to W. P. Panel No. 31 | 669 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1570 | | | |
| 1514 | Ditto | | |
| 56 | | Y. P. Panel No. 31 | 628 sq. ft. |
| 1514 | | | |
| 1465 | Ditto | | |
| 49 | | C. Panel No. 31 | 717 sq. ft. |
| 1465 | | | |
| 1409½ | Ditto | | |
| 55½ | | W. P. Panel No. 32 | 633 sq. ft. |
| 1409½ | | | |
| 1356½ | Ditto | | |
| 53 | | Y. P. Panel No. 32 | 663 sq. ft. |
| 1356½ | | | |
| 1305½ | Ditto | | |
| 51 | | C. Panel No. 32 | 689 sq. ft. |

## No. 17 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1968 | Wt. of ¼ gal. paint as received. | | |
| 1805 | " " reduced paint before use. | | |
| 1751 | " " " " after use. | | |
| 54 | " " paint applied to W. P. Panel No. 33 | | 635 sq. ft. |
| 1751 | | | |
| 1709 | Ditto | | |
| 42 | | Y. P. Panel No. 33 | 816 sq. ft. |
| 1709 | | | |
| 1659½ | Ditto | | |
| 49½ | | C. Panel No. 33 | 692 sq. ft. |
| 1659½ | | | |
| 1603 | Ditto | | |
| 56½ | | W. P. Panel No. 34 | 607 sq. ft |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1603 | | |
| 1539½ | Ditto | |
| 63½ | Y. P. Panel No. 34 | 540 sq. ft |
| 1539½ | | |
| 1489 | Ditto | |
| 50½ | C. Panel No. 34 | 679 sq. ft |

## No. 18 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2190 | Wt. of ¼ gal. of paint as received. | |
| 1626 | " " reduced paint before use. | |
| 1566½ | " " " " after use. | |
| 59½ | " " paint applied to W. P. Panel No. 35 | 636 sq. ft. |
| 1566½ | | |
| 1511½ | Ditto | |
| 55 | Y. P. Panel No. 35 | 688 sq. ft. |
| 1511½ | | |
| 1460 | Ditto | |
| 51½ | C. Panel No. 35 | 735 sq. ft. |
| 1460 | | |
| 1407½ | Ditto | |
| 52½ | W. P. Panel No. 36 | 721 sq. ft. |
| 1407½ | | |
| 1355½ | Ditto | |
| 52 | Y. P. Panel No. 36 | 728 sq. ft. |
| 1355½ | | |
| 1309 | Ditto | |
| 46½ | C. Panel No. 36 | 814 sq. ft. |

## No. 19 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2089½ | Wt. of ¼ gal. paint as received. | |
| 1803½ | " " reduced paint before use. | |

| Grammes. | | | | | | Spreading Rate. |
|---|---|---|---|---|---|---|
| 1743 | " | " | " | " | after use. | |
| 60½ | " | " | paint applied to W. P. Panel No. 37 | | | 626 sq. ft. |
| 1743 | | | | | | |
| 1689 | | Ditto | | | | |
| 54 | | | | | Y. P. Panel No. 37 | 701 sq. ft. |
| 1689 | | | | | | |
| 1642 | | Ditto | | | | |
| 47 | | | | | C. Panel No. 37 | 805 sq. ft. |
| 1642 | | | | | | |
| 1586 | | Ditto | | | | |
| 56 | | | | | W. P. Panel No. 38 | 676 sq. ft. |
| 1586 | | | | | | |
| 1518½ | | Ditto | | | | |
| 67½ | | | | | Y. P. Panel No. 38 | 561 sq. ft. |
| 1518½ | | | | | | |
| 1465½ | | Ditto | | | | |
| 53 | | | | | C. Panel No. 38 | 714 sq. ft. |

## No. 20 WHITE PAINT.

### 1st Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2044½ | Wt. of ¼ gal. paint as received. | | | | | |
| 1678½ | " | " | reduced paint before use. | | | |
| 1618 | " | " | " | " | after use. | |
| 60½ | " | " | paint applied to W. P. Panel No. 39 | | | 591 sq. ft. |
| 1618 | | | | | | |
| 1573½ | | Ditto | | | | |
| 44½ | | | | | Y. P. Panel No. 39 | 803 sq. ft. |
| 1573½ | | | | | | |
| 1527½ | | Ditto | | | | |
| 46 | | | | | C. Panel No. 39 | 777 sq. ft. |
| 1527½ | | | | | | |
| 1478½ | | Ditto | | | | |
| 49 | | | | | W. P. Panel No. 40 | 729 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| | Ditto | | |
| | | Y. P. Panel No. 40 | |
| 1375 | | | |
| 1340 | Ditto | | |
| 35 | | C. Panel No. 40 | 1021 sq. ft. |

## No. 21 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1712½ | Wt. of ¼ gal. paint as received. | | |
| 1524½ | " " reduced paint before use. | | |
| 1476½ | " " " " after use. | | |
| 48 | " " paint applied to W. P. Panel No. 41 | | 595 sq. ft. |
| 1476½ | | | |
| 1420 | Ditto | | |
| 56½ | | Y. P. Panel No. 41 | 506 sq. ft. |
| 1420 | | | |
| 1380 | Ditto | | |
| 40 | | C. Panel No. 41 | 714 sq. ft. |
| 1380 | | | |
| 1328 | Ditto | | |
| 52 | | W. P. Panel No. 42 | 549 sq. ft. |
| 1328 | | | |
| 1274 | Ditto | | |
| 54 | | Y. P. Panel No. 42 | 529 sq. ft. |
| 1274 | | | |
| 1231 | Ditto | | |
| 43 | | C. Panel No. 42 | 664 sq. ft. |

## No. 22 WHITE PAINT.

### 1st Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1819 | Wt. of ¼ gal. paint as received. | |
| 1542½ | " " reduced paint before use. | |
| 1492½ | " " " " after use. | |
| 50 | " " paint applied to W. P. Panel No. 43 | 617 sq. ft. |
| 1492½ | | |
| 1441 | Ditto | |
| 51½ | Y. P. Panel No. 43 | 599 sq. ft. |
| 1441 | | |
| 1394½ | Ditto | |
| 46½ | C. Panel No. 43 | 663 sq. ft. |
| 1394½ | | |
| 1338½ | Ditto | |
| 56 | W. P. Panel No. 44 | 551 sq. ft. |
| 1338½ | | |
| 1292½ | Ditto | |
| 46 | Y. P. Panel No. 44 | 671 sq. ft. |
| 1292½ | | |
| 1247 | Ditto | |
| 45½ | C. Panel No. 44 | 678 sq. ft. |

## No. 23 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1701 | Wt. of ¼ gal. paint as received. | |
| 1476 | " " reduced paint before use. | |
| 1420 | " " " " after use. | |
| 56 | " " paint applied to W. P. Panel No. 45 | 549 sq. ft. |
| 1420 | | |
| 1369 | Ditto | |
| 51 | Y. P. Panel No. 45 | 603 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1369 | | | |
| 1326½ | Ditto | | |
| 42½ | | C. Panel No. 45 | 724 sq. ft. |
| 1326½ | | | |
| 1275 | Ditto | | |
| 51½ | | W. P. Panel No. 46 | 597 sq. ft. |
| 1275 | | | |
| 1227½ | Ditto | | |
| 47½ | | Y. P. Panel No. 46 | 648 sq. ft. |
| 1227½ | | | |
| 1187 | Ditto | | |
| 40½ | | C. Panel No. 46 | 760 sq. ft. |

## No. 24 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1780 | Wt. of ¼ gal. paint as received. | | |
| 1554½ | " " reduced paint before use. | | |
| 1496 | " " " " after use. | | |
| 58½ | " " paint applied to W. P. Panel No. 47 | | 539 sq. ft. |
| 1496 | | | |
| 1447½ | Ditto | | |
| 48½ | | Y. P. Panel No. 47 | 650 sq. ft. |
| 1447½ | | | |
| 1404 | Ditto | | |
| 43½ | | C. Panel No. 47 | 725 sq. ft. |
| 1404 | | | |
| 1351½ | Ditto | | |
| 42½ | | W. P. Panel No. 48 | 742 sq. ft. |
| 1351½ | | | |
| 1289 | Ditto | | |
| 62½ | | Y. P. Panel No. 48 | 505 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1289 | | |
| 1237 | Ditto | |
| 52 | C. Panel No. 48 | 607 sq. ft. |

## No. 25 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1736½ | Wt. of ¼ gal. paint as received. | |
| 1459½ | " " reduced paint before use. | |
| 1401 | " " " " after use. | |
| 58½ | " " paint applied to W. P. Panel No. 49 | 530 sq. ft. |
| 1401 | | |
| 1347 | Ditto | |
| 54 | Y. P. Panel No. 49 | 574 sq. ft. |
| 1347 | | |
| 1306 | Ditto | |
| 41 | C. Panel No. 49 | 756 sq. ft. |
| 1306 | | |
| 1251½ | Ditto | |
| 54½ | W. P. Panel No. 50 | 561 sq. ft. |
| 1251½ | | |
| 1203 | Ditto | |
| 48½ | Y. P. Panel No. 50 | 639 sq. ft. |
| 1203 | | |
| 1154 | Ditto | |
| 49 | C. Panel No. 50 | 632 sq. ft. |

## No. 26 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1809½ | Wt. of ¼ gal. paint as received. | |
| 1587 | " " reduced paint before use. | |
| 1527 | " " " " after use. | |
| 60 | " " paint applied to W. P. Panel No. 51 | 532 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1527 | | | |
| 1469½ | Ditto | | |
| 57½ | | Y. P. Panel No. 51 | 556 sq. ft. |
| 1469½ | | | |
| 1414 | Ditto | | |
| 55½ | | C. Panel No. 51 | 576 sq. ft. |
| 1414 | | | |
| 1358½ | Ditto | | |
| 55½ | | W. P. Panel No. 52 | 576 sq. ft. |
| 1358½ | | | |
| 1304 | Ditto | | |
| 54½ | | Y. P. Panel No. 52 | 586 sq. ft. |
| 1304 | | | |
| 1254½ | Ditto | | |
| 49½ | | C. Panel No. 52 | 645 sq. ft. |

## No. 27 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1799½ | Wt. of ¼ gal. paint as received. | | |
| 1555½ | " " reduced paint before use. | | |
| 1495 | " " " " after use. | | |
| 60½ | " " paint applied to W. P. Panel No. 53 | | 520 sq. ft. |
| 1495 | | | |
| 1447 | Ditto | | |
| 48 | | Y. P. Panel No. 53 | 655 sq. ft. |
| 1447 | | | |
| 1403 | Ditto | | |
| 44 | | C. Panel No. 53 | 715 sq. ft. |
| 1403 | | | |
| 1347 | Ditto | | |
| 56 | | W. P. Panel No. 54 | 562 sq. ft. |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1347 | | |
| 1294 | Ditto | |
| 53 | Y. P. Panel No. 54 | 593 sq. ft. |
| 1294 | | |
| 1249 | Ditto | |
| 45 | C. Panel No. 54 | 699 sq. ft. |

## No. 33 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1878 | Wt. of ¼ gal. paint as received. | |
| 1620 | " " reduced paint before use. | |
| 1567 | " " " " after use. | |
| 53 | " " paint applied to W. P. Panel No. 168 | 600 sq. ft. |
| 1567 | | |
| 1521 | Ditto | |
| 46 | Y. P. Panel No. 168 | 691 sq. ft. |
| 1521 | | |
| 1474 | Ditto | |
| 47 | C. Panel No. 168 | 676 sq. ft. |

## No. 34 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1286 | Wt. of ¼ gal. paint as received. | |
| 1286 | " " reduced paint before use. | |
| 1231½ | " " " " after use. | |
| 55½ | " " paint applied to W. P. Panel No. 172 | 471 sq. ft. |
| 1231½ | | |
| 1184 | Ditto | |
| 47 | Y. P. Panel No. 172 | 556 sq. ft. |
| 1184 | | |
| 1141 | Ditto | |
| 43 | C. Panel No. 172 | 422 sq. ft. |

## No. 35 WHITE PAINT.

### 1st Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1256 | Wt. of ¼ gal. paint as received. | |
| 1256 | " " paint before use. | |
| 1191 | " " " after use. | |
| 65 | " " Paint applied to W. P. Panel, No. 173 | .402 sq. ft. |
| 1191 | | |
| 1142 | Ditto. | |
| 49 | Applied to Y. P. Panel No. 173 | 534 sq. ft. |
| 1142 | | |
| 1085 | Ditto. | |
| 57 | C. Panel No. 173 | 458 sq. ft. |

## No. 36 WHITE PAINT

### 1st Coat.

| | | |
|---|---|---|
| 1214 | Wt. of paint before use. | |
| 1150 | " " " after use. | |
| 64 | " " " applied to W. P. Panel No. 174 | 398 sq. ft. |
| 1150 | | |
| 1084 | Ditto | |
| 66 | Y. P. Panel No. 174 | 386 sq. ft. |
| 1084 | | |
| 1022 | Ditto | |
| 62 | C. Panel No. 174 | 411 sq. ft. |

## No. 37 WHITE PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1259 | Wt. of paint before use. | |
| 1201 | " " " after use. | |
| 58 | " " " applied to W. P. Panel No. 137 | 579 sq. ft. |
| 1201 | | |
| 1152 | Ditto | |
| 49 | Y. P. Panel No. 137 | 567 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1152 | | | |
| 1104 | Ditto | | |
| 48 | | C. Panel No. 137 | .579 sq. ft. |

## No. 38 WHITE PAINT

### 1st Coat.

| | | | |
|---|---|---|---|
| 1234 | Wt. of Paint before use. | | |
| 1174 | " " " after use. | | |
| 60 | " " " | applied to W. P. Panel No. 138 | 463 sq. ft. |
| 1174 | | | |
| 1110 | Ditto | | |
| 64 | | Y. P. Panel No. 138 | 434 sq. ft. |
| 1110 | | | |
| 1057 | Ditto | | |
| 53 | | C. Panel No. 138 | 524 sq. ft. |

## No. 39 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1271 | Wt. of paint before use. | | |
| 1214 | " " " after use. | | |
| 57 | " " " | applied to W. P. Panel No. 177 | 474 sq. ft. |
| 1214 | | | |
| 1162 | Ditto | | |
| 52 | | Y. P. Panel No. 177 | 519 sq. ft. |
| 1162 | | | |
| 1118 | Ditto | | |
| 44 | | C. Panel No. 177 | 614 sq. ft. |

## No. 40 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1299 | Wt. of paint before use. | | |
| 1238½ | " " " after use. | | |
| 60½ | " " " | applied to W. P. Panel No. 178 | 446 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1238½ | | | |
| 1182 | Ditto | | |
| 56½ | | Y. P. Panel No. 178 | 478 sq. ft. |
| 1182 | | | |
| 1142 | Ditto | | |
| 40 | | C. Panel No. 178 | 675 sq. ft. |

## No. 45 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1789 | Wt. of ¼ gal. paint as received. | | |
| 1622 | " " reduced paint before use. | | |
| 1562 | " " " " after use. | | |
| 60 | " " paint applied to W. P. Panel No. 169 | | 527 sq. ft. |
| 1562 | | | |
| 1514 | Ditto | | |
| 48 | | Y. P. Panel No. 169 | 658 sq. ft. |
| 1514 | | | |
| 1472 | Ditto | | |
| 42 | | C. Panel No. 169 | 752 sq. ft. |

## No. 46 WHITE PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1845 | Wt. of ¼ gal. paint as received. | | |
| 1707 | " " reduced paint before use. | | |
| 1650 | " " " after use. | | |
| 57 | " " paint applied to W. P. Panel No. 170 | | 605 sq. ft. |
| 1650 | | | |
| 1600 | Ditto | | |
| 50 | | Y. P. Panel No. 170 | 690 sq. ft. |
| 1600 | | | |
| 1656 | Ditto | | |
| 44 | | C. Panel, No. 170, | 784 sq. ft. |

## No. 47 WHITE PAINT.

### 1st Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2177 | Wt. of ¼ gal. paint as received. | | |
| 1799 | " " reduced paint before use. | | |
| 1747¼ | " " " " after use. | | |
| 51½ | " " paint applied to W. P. Panel No. 171 | | 735 sq. ft. |
| 1747½ | | | |
| 1695½ | Ditto | | |
| 52 | | Y. P. Panel No. 171 | 728 sq. ft. |
| 1695½ | | | |
| 1651 | Ditto | | |
| 44 | | C. Panel No. 171 | 860 sq. ft. |

White Paint
Second Coat

## No. 1 WHITE PAINT.

### 2d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1415 | Wt. of paint before use. | |
| 1384 | " " " after use. | |
| 31 | " " " applied to W. P. Panel No. 1 | 1020 sq. ft. |
| 1384 | | |
| 1352 | Ditto | |
| 32 | Y. P. Panel No. 1. | 988 sq. ft. |
| 1352 | | |
| 1319 | Ditto | |
| 33 | C. Panel No. 1 | 958 sq. ft. |
| 1319 | | |
| 1285 | Ditto | |
| 34 | W. P. Panel No. 2 | 929 sq. ft. |
| 1301 | | |
| 1268 | Ditto | |
| 33 | Y. P. Panel No. 2 | 958 sq. ft. |
| 1268 | | |
| 1238½ | Ditto | |
| 29½ | C. Panel No. 2 | 1071 sq. ft. |

## No. 2 WHITE PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1528 | Wt. of paint before use. | |
| 1493½ | " " " after use. | |
| 34½ | " " " applied to W. P. Panel No. 3 | 975 sq. ft. |
| 1493½ | | |
| 1462 | Ditto | |
| 31½ | Y. P. Panel No. 3 | 1068 sq. ft. |
| 1400 | | |
| 1370½ | Ditto | |
| 29½ | C. Panel No. 3 | 1141 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1431½ | | | |
| 1400 | Ditto | | |
| 31½ | | W. P. Panel No. 4 | 1069 sq. ft. |
| 1462 | | | |
| 1431½ | Ditto | | |
| 30½ | | Y. P. Panel No. 4 | 1037 sq. ft |
| 1370½ | | | |
| 1346½ | Ditto | | |
| 24 | | C. Panel No. 4 | 1402 sq. ft. |

## No. 3 WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1626 | Wt. of paint before use. | | |
| 1581 | " " " after use. | | |
| 45 | " " " applied to | W. P. Panel No. 5 | 873 sq. ft. |
| 1581 | | | |
| 1544 | Ditto | | |
| 37 | | Y. P. Panel No. 5 | 1062 sq. ft. |
| 1544 | | | |
| 1505 | Ditto | | |
| 39 | | C. Panel No. 5 | 1008 sq. ft. |
| 1505 | | | |
| 1465 | Ditto | | |
| 40 | | W. P. Panel No. 6 | 983 sq. ft. |
| 1465 | | | |
| 1429 | Ditto | | |
| 34 | | Y. P. Panel No. 6 | 1156 sq. ft. |
| 1429 | | | |
| 1393 | Ditto | | |
| 36 | | C. Panel No. 6 | 1092 sq. ft. |

## No. 4 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1571 | Wt. of paint before use. | | | | |
| 1532 | " | " | " after use. | | |
| 39 | " | " | " applied to | W. P. Panel No. 7 | 987 sq. ft. |
| 1532 | | | | | |
| 1497 | | Ditto | | | |
| 35 | | | | Y. P. Panel No. 7 | 1099 sq. ft. |
| 1497 | | | | | |
| 1463 | | Ditto | | | |
| 34 | | | | C. Panel No. 7 | 1132 sq. ft. |
| 1463 | | | | | |
| 1429 | | Ditto | | | |
| 34 | | | | W. P. Panel No. 8 | 1132 sq. ft. |
| 1429 | | | | | |
| 1396½ | | Ditto | | | |
| 32½ | | | | Y. P. Panel No. 8 | 1185 sq. ft. |
| 1396½ | | | | | |
| 1362 | | Ditto | | | |
| 34½ | | | | C. Panel No. 8 | 1116 sq. ft. |

## No. 5 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1306½ | Wt. of paint before use. | | | | |
| 1273 | " | " | " after use. | | |
| 33½ | " | " | " applied to | W. P. Panel No. 9 | 896 sq. ft. |
| 1273 | | | | | |
| 1245 | | Ditto | | | |
| 28 | | | | Y. P. Panel No. 9 | 1072 sq. ft. |
| 1245 | | | | | |
| 1216 | | Ditto | | | |
| 29 | | | | C. Panel No. 9 | 1035 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1216 | | | |
| 1186 | Ditto | | |
| 30 | | W. P. Panel No. 10 | 1000 sq. ft. |
| 1186 | | | |
| 1158 | Ditto | | |
| 28 | | Y. P. Panel No. 10 | 1072 sq. ft. |
| 1158 | | | |
| 1130 | Ditto | | |
| 28 | | C. Panel No. 10 | 1072 sq. ft. |

## No. 6 WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1393 | Wt. of paint before use. | | |
| 1360 | " " " after use. | | |
| 33 | " " " applied to | W. P. Panel No. 11 | 1045 sq. ft. |
| 1360 | | | |
| 1329 | Ditto | | |
| 31 | | Y. P. Panel No. 11 | 1112 sq. ft. |
| 1329 | | | |
| 1300 | Ditto | | |
| 29 | | C. Panel No. 11 | 1189 sq. ft. |
| 1300 | | | |
| 1269 | Ditto | | |
| 31 | | W. P. Panel No. 12 | 1112 sq. ft. |
| 1269 | | | |
| 1239 | Ditto | | |
| 30 | | Y. P. Panel No. 12 | 1150 sq. ft. |
| 1239 | | | |
| 1213 | Ditto | | |
| 26 | | C. Panel No. 12 | 1326 sq. ft. |

## No. 7 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1524½ | Wt. of paint before use. | | | | |
| 1486 | " " " | after use. | | | |
| 38½ | " " " | applied to | W. P. Panel No. 13 | | 922 sq. ft. |
| 1486 | | | | | |
| 1451 | Ditto | | | | |
| 35 | | | Y. P. Panel No. 13 | | 1014 sq. ft. |
| 1451 | | | | | |
| 1420 | Ditto | | | | |
| 31 | | | C. Panel No. 13 | | 1145 sq. ft. |
| 1420 | | | | | |
| 1386 | Ditto | | | | |
| 34 | | | W. P. Panel No. 14 | | 1041 sq. ft. |
| 1386 | | | | | |
| 1352 | Ditto | | | | |
| 34 | | | Y. P. Panel No. 14 | | 1041 sq. ft. |
| 1352 | | | | | |
| 1318½ | Ditto | | | | |
| 33½ | | | C. Panel No. 14 | | 1059 sq. ft. |

## No. 8 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1473 | Wt. of paint before use. | | | | |
| 1435 | " " " | after use. | | | |
| 38 | " " " | applied to | W. P. Panel No. 15 | | 862 sq. ft. |
| 1435 | | | | | |
| 1405 | Ditto | | | | |
| 30 | | | Y. P. Panel No. 15 | | 1092 sq. ft. |
| 1400 | | | | | |
| 1369 | Ditto | | | | |
| 31 | | | C. Panel No. 15 | | 1057 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1369 | | | | |
| 1335 | Ditto | | | |
| 34 | | | W. P. Panel No. 16 | 964 sq. ft. |
| 1335 | | | | |
| 1299 | Ditto | | | |
| 36 | | | Y. P. Panel No. 16 | 910 sq. ft. |
| 1299 | | | | |
| 1264 | Ditto | | | |
| 35 | | | C. Panel No. 16 | 936 sq. ft. |

## No. 9 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1228½ | Wt. of paint | | before use. | | |
| 1200½ | " | " | after use. | | |
| 28 | " | " | applied to | W. P. Panel No. 17 | 926 sq. ft. |
| 1200½ | | | | | |
| 1172 | Ditto | | | | |
| 28½ | | | | Y. P. Panel No. 17 | 910 sq. ft. |
| 1172 | | | | | |
| 1144 | Ditto | | | | |
| 28 | | | | C. Panel No. 17 | 926 sq. ft. |
| 1144 | | | | | |
| 1117 | Ditto | | | | |
| 27 | | | | W. P. Panel No. 18 | 961 sq. ft. |
| 1117 | | | | | |
| 1087 | Ditto | | | | |
| 30 | | | | Y. P. Panel No. 18 | 865 sq. ft. |
| 1087 | | | | | |
| 1057 | Ditto | | | | |
| 30 | | | | C. Panel No. 18 | 865 sq. ft. |

## No. 10 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1380 | Wt. of paint before use. | | | |
| 1347 | " " " after use. | | | |
| 33 | " " " | applied to | W. P. Panel No. 19 | 1013 sq. ft. |
| 1347 | | | | |
| 1317 | Ditto | | | |
| 30 | | | Y. P. Panel No. 19 | 1115 sq. ft. |
| 1317 | | | | |
| 1287 | Ditto | | | |
| 30 | | | C. Panel No. 19 | 1115 sq. ft. |
| 1287 | | | | |
| 1254½ | Ditto | | | |
| 32½ | | | W. P. Panel No. 20 | 1029 sq. ft. |
| 1254½ | | | | |
| 1223½ | Ditto | | | |
| 31 | | | Y. P. Panel No. 20 | 1079 sq. ft. |
| 1223½ | | | | |
| 1195 | Ditto | | | |
| 28½ | | | C. Panel No. 20 | 1174 sq. ft. |

## No. 11 WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1460 | Wt. of paint before use. | | | |
| 1424 | " " " after use. | | | |
| 36 | " " " | applied to | W. P. Panel No. 21 | 933 sq. ft. |
| 1424 | | | | |
| 1387 | Ditto | | | |
| 37 | | | Y. P. Panel No. 21 | 908 sq. ft. |
| 1387 | | | | |
| 1355 | Ditto | | | |
| 32 | | | C. Panel No. 21 | 1050 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1355 | | | | |
| 1318 | Ditto | | | |
| 37 | | | W. P. Panel No. 22 | 908 sq. ft. |
| 1318 | | | | |
| 1286 | Ditto | | | |
| 32 | | | Y. P. Panel No. 22 | 1050sq. ft. |
| 1286 | | | | |
| 1253½ | Ditto | | | |
| 32½ | | | C. Panel No. 22 | 1034 sq. ft. |

## No. 12 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1355 | Wt. of paint before use. | | | | |
| 1324 | " | " | " after use. | | |
| 31 | " | " | " applied to | W. P. Panel No. 23 | 1027 sq. ft. |
| 1324 | | | | | |
| 1291 | Ditto | | | | |
| 33 | | | | Y. P. Panel No. 23 | 967 sq. ft. |
| 1291 | | | | | |
| 1264 | Ditto | | | | |
| 27 | | | | C. Panel No. 23 | 1181 sq. ft. |
| 1264 | | | | | |
| 1232 | Ditto | | | | |
| 32 | | | | W. P. Panel No. 24 | 995 sq. ft. |
| 1232 | | | | | |
| 1201½ | Ditto | | | | |
| 30½ | | | | Y. P. Panel No. 24 | 1046 sq. ft. |
| 1201½ | | | | | |
| 1173 | Ditto | | | | |
| 28½ | | | | C. Panel No. 24 | 1119 sq. ft. |

## No. 13 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1411 | Wt. of paint before use. | | | | |
| 1374 | " | " | " after use. | | |
| 37 | " | " | " applied to | W. P. Panel No. 25 | 892 sq. ft. |
| 1374 | | | | | |
| 1336 | | Ditto | | | |
| 38 | | | | Y. P. Panel No. 25 | 868 sq. ft. |
| 1336 | | | | | |
| 1303 | | Ditto | | | |
| 33 | | | | C. Panel No. 25 | 1000 sq. ft. |
| 1303 | | | | | |
| 1265 | | Ditto | | | |
| 38 | | | | W. P. Panel No. 26 | 868 sq. ft. |
| 1265 | | | | | |
| 1229 | | Ditto | | | |
| 36 | | | | Y. P. Panel No. 26 | 917 sq. ft. |
| 1229 | | | | | |
| 1196 | | Ditto | | | |
| 33 | | | | C. Panel No. 26 | 1000 sq. ft. |

## No. 14 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1299 | Wt. of paint before use. | | | | |
| 1261 | " | " | " after use. | | |
| 38 | " | " | " applied to | W. P. Panel No. 27 | 785 sq. ft. |
| 1261 | | | | | |
| 1231 | | Ditto | | | |
| 30 | | | | Y. P. Panel No. 27 | 995 sq. ft. |
| 1231 | | | | | |
| 1200 | | Ditto | | | |
| 31 | | | | C. Panel No. 27 | 962 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1200 | | | |
| 1169 | Ditto | | |
| 31 | | W. P. Panel No. 28 | 962 sq. ft. |
| 1169 | | | |
| 1136 | Ditto | | |
| 33 | | Y. P. Panel No. 28 | 904 sq. ft. |
| 1136 | | | |
| 1103 | Ditto | | |
| 33 | | C. Panel No. 28 | 904 sq. ft. |

## No. 15 WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1514½ | Wt. of paint before use. | | |
| 1479 | " " " after use. | | |
| 35½ | " " " applied to | W. P. Panel No. 29 | 1000 sq. ft. |
| 1479 | | | |
| 1446 | Ditto | | |
| 33 | | Y. P. Panel No. 29 | 1076 sq. ft. |
| 1446 | | | |
| 1414½ | Ditto | | |
| 31½ | | C. Panel No. 29 | 1127 sq. ft. |
| 1414½ | | | |
| 1382½ | Ditto | | |
| 32 | | W. P. Panel No. 30 | 1110 sq. ft. |
| 1382½ | | | |
| 1351 | Ditto | | |
| 31½ | | Y. P. Panel No. 30 | 1127 sq. ft. |
| 1350 | | | |
| 1318 | Ditto | | |
| 32 | | C. Panel No. 30 | 1110 sq. ft. |

## No. 16 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1456 | Wt. of paint | before use. | | | |
| 1417 | " " " | after use. | | | |
| 39 | " " " | applied to | W. P. Panel No. 31 | | 880 sq. ft. |
| 1417 | | | | | |
| 1381½ | Ditto | | | | |
| 35½ | | | Y. P. Panel No. 31 | | 967 sq. ft. |
| 1381½ | | | | | |
| 1351½ | Ditto | | | | |
| 30 | | | C. Panel No. 31 | | 1144 sq. ft. |
| 1351½ | | | | | |
| 1320½ | Ditto | | | | |
| 31 | | | W. P. Panel No. 32 | | 1108 sq. ft. |
| 1320½ | | | | | |
| 1287½ | Ditto | | | | |
| 33 | | | Y. P. Panel No. 32 | | 1040 sq. ft. |
| 1287½ | | | | | |
| 1252½ | Ditto | | | | |
| 35 | | | C. Panel No. 32 | | 981 sq. ft. |

## No. 17 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1439½ | Wt. of paint | before use. | | | |
| 1406½ | " " " | after use. | | | |
| 33 | " " " | applied to | W. P. Panel No. 33 | | 982 sq. ft. |
| 1406½ | | | | | |
| 1375 | Ditto | | | | |
| 31½ | | | Y. P. Panel No. 33 | | 1031 sq. ft. |
| 1375 | | | | | |
| 1349 | Ditto | | | | |
| 26 | | | C. Panel No. 33 | | 1234 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1349 | | | |
| 1317½ | Ditto | | |
| 31½ | | W. P. Panel No. 34 | 1031 sq. ft. |
| 1317½ | | | |
| 1288½ | Ditto | | |
| 29 | | Y. P. Panel No. 34 | 1120 sq. ft. |
| 1288½ | | | |
| 1261 | Ditto | | |
| 27½ | | C. Panel No. 34 | 1182 sq. ft. |

## No. 18 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1584 | Wt. of paint | | before use. | | |
| 1546 | " | " | after use. | | |
| 38 | " | " | applied to | W. P. Panel No. 35 | 959 sq. ft. |
| 1546 | | | | | |
| 1518 | Ditto | | | | |
| 28 | | | | Y. P. Panel No. 35 | 1302 sq. ft. |
| 1518 | | | | | |
| 1488 | Ditto | | | | |
| 30 | | | | C. Panel No. 35 | 1215 sq. ft. |
| 1488 | | | | | |
| 1455 | Ditto | | | | |
| 33 | | | | W. P. Panel No. 36 | 1105 sq. ft. |
| 1455 | | | | | |
| 1419 | Ditto | | | | |
| 36 | | | | Y. P. Panel No. 36 | 1013 sq. ft. |
| 1419 | | | | | |
| 1390 | Ditto | | | | |
| 29 | | | | C. Panel No. 36 | 1257 sq. ft. |

## No. 19 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1560 | Wt. of paint before use. | | | | |
| 1527 | " | " | " after use. | | |
| 33 | " | " | " applied to | W. P. Panel No. 37 | 1076 sq. ft. |
| 1527 | | | | | |
| 1495½ | | Ditto | | | |
| 31½ | | | | Y. P. Panel No. 37 | 1127 sq. ft. |
| 1495 | | | | | |
| 1466½ | | Ditto | | | |
| 28½ | | | | C. Panel No. 37 | 1245 sq. ft. |
| 1466½ | | | | | |
| 1432½ | | Ditto | | | |
| 34 | | | | W. P. Panel No. 38 | 1044 sq. ft. |
| 1432½ | | | | | |
| 1400 | | Ditto | | | |
| 32½ | | | | Y. P. Panel No. 38 | 1092 sq. ft. |
| 1400 | | | | | |
| 1373½ | | Ditto | | | |
| 26½ | | | | C. Panel No. 38 | 1339 sq. ft. |

## No. 20 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1501 | Wt. of paint before use. | | | | |
| 1467½ | " | " | " after use. | | |
| 33½ | " | " | " applied to | W. P. Panel No. 39 | 1015 sq. ft. |
| 1467½ | | | | | |
| 1434 | | Ditto | | | |
| 33½ | | | | Y. P. Panel No. 39 | 1015 sq. ft. |
| 1434 | | | | | |
| 1402 | | Ditto | | | |
| 32 | | | | C. Panel No. 39 | 1063 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1402 | | | |
| 1370 | Ditto | | |
| 32 | | W. P. Panel No. 40 | 1063 sq. ft. |
| 1370 | | | |
| 1341 | Ditto | | |
| 29 | | Y. P. Panel No. 40 | 1173 sq. ft. |
| 1341 | | | |
| 1309 | Ditto | | |
| 32 | | C. Panel No. 40 | 1063 sq. ft. |

## No. 21 WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1321½ | Wt. of paint | before use. | | |
| 1292 | " " " | after use. | | |
| 29½ | " " " | applied to | W. P. Panel No. 41 | 948 sq. ft. |
| 1292 | | | | |
| 1262½ | Ditto | | | |
| 29½ | | | Y. P. Panel No. 41 | 948 sq. ft. |
| 1262½ | | | | |
| 1235½ | Ditto | | | |
| 27 | | | C. Panel No. 41 | 1036 sq. ft. |
| 1235½ | | | | |
| 1204½ | Ditto | | | |
| 31 | | | W. P. Panel No. 42 | 902 sq. ft. |
| 1204½ | | | | |
| 1175½ | Ditto | | | |
| 29 | | | Y. P. Panel No. 42 | 964 sq. ft. |
| 1175½ | | | | |
| 1149½ | Ditto | | | |
| 26 | | | C. Panel No. 42 | 1075 sq. ft. |

## No. 22 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1370 | Wt. of paint | | before use. | | |
| 1335½ | " | " | after use. | | |
| 34½ | " | " | applied to | W. P. Panel No. 43 | 868 sq. ft. |
| 1335½ | | | | | |
| 1305½ | | Ditto | | | |
| 30 | | | | Y. P. Panel No. 43 | 998 sq. ft. |
| 1305½ | | | | | |
| 1276½ | | Ditto | | | |
| 29 | | | | C. Panel No. 43 | 1032 sq. ft. |
| 1276½ | | | | | |
| 1244 | | Ditto | | | |
| 32½ | | | | W. P. Panel No. 44 | 921 sq. ft. |
| 1244 | | | | | |
| 1214 | | Ditto | | | |
| 30 | | | | Y. P. Panel No. 44 | 998 sq. ft. |
| 1214 | | | | | |
| 1183 | | Ditto | | | |
| 31 | | | | C. Panel No. 44 | 965 sq. ft. |

## No. 23 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1297 | Wt. of paint | | before use. | | |
| 1268 | " | " | after use. | | |
| 29 | " | " | applied to | W. P. Panel No. 45 | 1002 sq. ft. |
| 1268 | | | | | |
| 1240 | | Ditto | | | |
| 28 | | | | Y. P. Panel No. 45 | 1038 sq. ft. |
| 1240 | | | | | |
| 1213½ | | Ditto | | | |
| 26½ | | | | C. Panel No. 45 | 1097 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1213½ | | | |
| 1183½ | Ditto | | |
| 30 | | W. P. Panel No. 46 | 969 sq. ft. |
| 1183 | | | |
| 1155 | Ditto | | |
| 28 | | Y. P. Panel No. 46 | 1038 sq. ft. |
| 1155 | | | |
| 1130 | Ditto | | |
| 25 | | C. Panel No. 46 | 1162 sq. ft. |

## No. 24 WHITE PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1304 | Wt. of paint | before use. | | |
| 1271½ | " " " | after use. | | |
| 32½ | " " " | applied to | W. P. Panel No. 47 | 918 sq. ft. |
| 1271½ | | | | |
| 1242 | Ditto | | | |
| 29½ | | | Y. P. Panel No. 47 | 1011 sq. ft. |
| 1242 | | | | |
| 1218 | Ditto | | | |
| 24 | | | C. Panel No. 47 | 1243 sq. ft. |
| 1218 | | | | |
| 1186 | Ditto | | | |
| 32 | | | W. P. Panel No. 48 | 932 sq. ft. |
| 1186 | | | | |
| 1154 | Ditto | | | |
| 32 | | | Y. P. Panel No. 48 | 932 sq. ft. |
| 1154 | | | | |
| 1124 | Ditto | | | |
| 30 | | | C. Panel No. 48 | 995 sq. ft. |

## No. 25 WHITE PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1356½ | Wt. of paint | before use. | | | |
| 1325 | " " " | after use. | | | |
| 31½ | " " " | applied to | W. P. Panel No. 49 | | 929 sq. ft. |
| 1325 | | | | | |
| 1297 | Ditto | | | | |
| 28 | | | Y. P. Panel No. 49 | | 1046 sq. ft. |
| 1297 | | | | | |
| 1269 | Ditto | | | | |
| 28 | | | C. Panel No. 49 | | 1046 sq. ft. |
| 1269 | | | | | |
| 1243½ | Ditto | | | | |
| 25½ | | | W. P. Panel No. 50 | | 1148 sq. ft. |
| 1243½ | | | | | |
| 1215½ | Ditto | | | | |
| 28 | | | Y. P. Panel No. 50 | | 1046 sq. ft. |
| 1215½ | | | | | |
| 1188½ | Ditto | | | | |
| 27 | | | C. Panel No. 50 | | 1084 sq. ft. |

## No. 26 WHITE PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1480 | Wt. of paint | before use. | | | |
| 1447 | " " " | after use. | | | |
| 33 | " " " | applied to | W. P. Panel No. 51 | | 916 sq. ft. |
| 1447 | | | | | |
| 1414 | Ditto | | | | |
| 33 | | | Y. P. Panel No. 51 | | 916 sq. ft. |
| 1414 | | | | | |
| 1384 | Ditto | | | | |
| 30 | | | C. Panel No. 51 | | 1008 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1384 | | | |
| 1354 | Ditto | | |
| 30 | | W. P. Panel No. 52 | 1008 sq. ft. |
| 1354 | | | |
| 1325½ | Ditto | | |
| 28½ | | Y. P. Panel No. 52 | 1061 sq. ft. |
| 1325½ | | | |
| 1295½ | Ditto | | |
| 30 | | C. Panel No. 52 | 1008 sq. ft. |

## No. 27 WHITE PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1359 | Wt. of paint before use. | | |
| 1324 | " " " after use. | | |
| 35 | " " " | applied to W. P. Panel No. 53 | 850 sq. ft. |
| 1324 | | | |
| 1296 | Ditto | | |
| 28 | | Y. P. Panel No. 53 | 1062 sq. ft. |
| 1296 | | | |
| 1267 | Ditto | | |
| 29 | | C. Panel No. 53 | 1026 sq. ft. |
| 1267 | | | |
| 1237 | Ditto | | |
| 30 | | W. P. Panel No 54 | 991 sq. ft. |
| 1237 | | | |
| 1207 | Ditto | | |
| 30 | | Y. P. Panel No. 54 | 991 sq. ft. |
| 1207 | | | |
| 1178 | Ditto | | |
| 29 | | C. Panel No. 54 | 1026 sq. ft. |

## No. 33 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1628 | Wt. of paint before use. | | |
| 1605 | " " " after use. | | |
| 23 | " " " | applied to W. P. Panel No. 168 | 1340 sq. ft. |
| 1605 | | | |
| 1553 | Ditto | | |
| 52 | | Y. P. Panel No. 168 | 592 sq. ft. |
| 1553 | | | |
| 1520½ | Ditto | | |
| 32½ | | C. Panel No. 168 | 944 sq. ft. |

## No. 34 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1173 | Wt. of paint before use. | | |
| 1136 | " " " after use. | | |
| 37 | " " " | applied to W. P. Panel No. 172 | 743 sq. ft. |
| 1136 | | | |
| 1097½ | Ditto | | |
| 38½ | | Y. P. Panel No. 172 | 714 sq. ft. |
| 1097½ | | | |
| 1061 | Ditto | | |
| 36½ | | C. Panel No. 172 | 753 sq. ft. |

## No. 35 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1159½ | Wt. of paint before use. | | |
| 1113½ | " " " after use. | | |
| 46 | " " " | applied to W. P. Panel No. 173 | 598 sq. ft. |
| 1113½ | | | |
| 1071½ | Ditto | | |
| 42 | | Y. P. Panel No .173 | 654 sq. ft. |
| 1071½ | | | |
| 1024½ | Ditto | | |
| 47 | | C. Panel No. 173 | 585 sq. ft. |

## No. 36 SPECIAL.

| Grammes. | | 2d Coat. | Spreading Rate. |
|---|---|---|---|
| 1138½ | Wt. of paint before use. | | |
| 1090 | " " " after use. | | |
| 48½ | " " " | applied to W. P. Panel No. 174 | 668 sq. ft. |
| 1090 | | | |
| 1039 | Ditto | | |
| 51 | | Y. P. Panel No. 174 | 636 sq. ft. |
| 1039 | | | |
| 989 | Ditto | | |
| 50 | | C. Panel No. 174 | 648 sq. ft. |

## No. 37 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1142 | Wt. of paint before use. | | |
| 1093 | " " " after use. | | |
| 49 | " " " | applied to W. P. Panel No. 175 | 653 sq. ft. |
| 1093 | | | |
| 1050 | Ditto | | |
| 43 | | Y. P. Panel No. 175 | 744 sq. ft. |
| 1050 | | | |
| 1009½ | Ditto | | |
| 40½ | | C. Panel No. 175 | 789 sq. ft. |

## No. 38 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1132 | Wt. of paint before use. | | |
| 1080 | " " " after use. | | |
| 52 | " " " | applied to W. P. Panel No. 176 | 615 sq. ft. |
| 1080 | | | |
| 1030 | Ditto | | |
| 50 | | Y. P. Panel No. 176 | 639 sq. ft. |
| 1030 | | | |
| 983 | Ditto | | |
| 47 | | C. Panel No. 176 | 680 sq. ft. |

## No. 39 SPECIAL.

### 2d Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1166 | Wt. of paint before use. | | |
| 1131 | " " " after use. | | |
| 35 | " " " | applied to W. P. Panel No. 177 | 954 sq. ft. |
| 1131 | | | |
| 1093 | Ditto | | |
| 39 | | Y. P. Panel No. 177 | 857 sq. ft. |
| 1093 | | | |
| 1061 | Ditto | | |
| 32 | | C. Panel No. 177 | 1044 sq. ft. |

## No. 40 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1143 | Wt. of paint before use. | | |
| 1102 | " " " after use. | | |
| 41 | " " " | applied to W. P. Panel No. 178 | 815 sq. ft. |
| 1102 | | | |
| 1063 | Ditto | | |
| 39 | | Y. P. Panel No. 178 | 857 sq. ft. |
| 1063 | | | |
| 1027 | Ditto | | |
| 36 | | C. Panel No. 178 | 928 sq. ft. |

## No. 45 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1217 | Wt. of paint before use. | | |
| 1184 | " " " after use. | | |
| 33 | " " " | applied to W. P. Panel No. 169 | 841 sq. ft. |
| 1184 | | | |
| 1154 | Ditto | | |
| 30 | | Y. P. Panel No. 169 | 925 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1154 | | | |
| 1127 | Ditto | | |
| 27 | | C. Panel No. 169 | 1028 sq. ft. |

## No. 46 SPECIAL.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1283 | Wt. of paint | before use. | |
| 1247 | " " " | after use. | |
| 36 | " " " | applied to W. P. Panel No. 170 | 740 sq. ft. |
| 1247 | | | |
| 1212 | Ditto | | |
| 35 | | Y. P. Panel No. 170 | 761 sq. ft. |
| 1212 | | | |
| 1182 | Ditto | | |
| 30 | | C. Panel No. 170 | 888 sq. ft. |

## No. 47 SPECIAL

### 2d Coat.

| | | | |
|---|---|---|---|
| 1416 | Wt. of paint | before use. | |
| 1381 | " " " | after use. | |
| 35 | " " " | applied to W. P. Panel No. 171 | 961 sq. ft. |
| 1381 | | | |
| 1349 | Ditto | | |
| 32 | | Y. P. Panel No. 171 | 1051 sq. ft. |
| 1349 | | | |
| 1320 | Ditto | | |
| 29 | | C. Panel No. 171 | 1160 sq. ft. |

White Paint
Third Coat

## No. 1 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2165 | Wt. of paint before use. | | | |
| 2127 | " " " after use. | | | |
| 38 | " " " applied to W. P. Panel No. | 1 | | 768 sq. ft. |
| 2127 | | | | |
| 2090 | Ditto | | | |
| 37 | Y. P. Panel No. | 1 | | 788 sq. ft. |
| 2090 | | | | |
| 2050 | Ditto | | | |
| 40 | C. Panel No. | 1 | | 729 sq. ft. |
| 2050 | | | | |
| 2016½ | Ditto | | | |
| 33½ | W. P. Panel No. | 2 | | 874 sq. ft. |
| 2016½ | | | | |
| 1982 | Ditto | | | |
| 34½ | Y. P. Panel No. | 2 | | 846 sq. ft. |
| 1982 | | | | |
| 1946 | Ditto | | | |
| 36 | C. Panel No. | 2 | | 810 sq. ft. |

## No. 2 WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1866 | Wt. of paint before use. | | | |
| 1839 | " " " after use. | | | |
| 27 | " " " applied to W. P. Panel No. | 3 | | 1229 sq. ft. |
| 1839 | | | | |
| 1808 | Ditto | | | |
| 31 | Y. P. Panel No. | 3 | | 1070 sq. ft. |
| 1065 | | | | |
| 1035 | Ditto | | | |
| 30 | C. Panel No. | 3 | | 1106 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1808 | | | |
| 1776 | Ditto | | |
| 32 | | W. P. Panel No. 4 | 1037 sq. ft. |
| 1776 | | | |
| 1741 | Ditto | | |
| 35 | | Y. P. Panel No. 4 | 948 sq. ft. |
| 1741 | | | |
| 1710 | Ditto | | |
| 31 | | C. Panel No. 4 | 1070 sq. ft. |

## No. 3 WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2420 | Wt. of paint before use. | | |
| 2371 | " " " after use. | | |
| 49 | " " " | applied to W. P. Panel No. 5 | 770 sq. ft. |
| 2377 | | | |
| 2327 | Ditto | | |
| 50 | | Y. P. Panel No. 5 | 943 sq. ft. |
| 2327 | | | |
| 2282 | Ditto | | |
| 45 | | C. Panel No. 5 | 838 sq. ft. |
| 2282 | | | |
| 2237 | Ditto | | |
| 45 | | W. P. Panel No. 6 | 838 sq. ft. |
| 2237 | | | |
| 2195 | Ditto | | |
| 42 | | Y. P. Panel No. 6 | 898 sq. ft. |
| 2195 | | | |
| 2157 | Ditto | | |
| 38 | | C. Panel No. 6 | 993 sq. ft. |

## No. 4 WHITE PAINT.

### 3d Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2510 | Wt. of paint before use. | | |
| 2473 | " " " after use. | | |
| 37 | " " " | applied to W. P. Panel No. 7 | 1019 sq. ft. |
| 2473 | | | |
| 2427 | Ditto | | |
| 46 | | Y. P. Panel No. 7 | 820 sq. ft. |
| 2427 | | | |
| 2389 | Ditto | | |
| 38 | | C. Panel No. 7 | 992 sq. ft. |
| 2389 | | | |
| 2351½ | Ditto | | |
| 37½ | | W. P. Panel No. 8 | 1006 sq. ft. |
| 2351½ | | | |
| 2313 | Ditto | | |
| 38½ | | Y. P. Panel No. 8 | 979 sq. ft. |
| 2313 | | | |
| 2278 | Ditto | | |
| 35 | | C. Panel No. 8 | 1077 sq. ft. |

## No. 5 WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2020 | Wt. of paint before use. | | |
| 1988 | " " " after use. | | |
| 32 | " " " | applied to W. P. Panel No. 9 | 886 sq. ft. |
| 1988 | | | |
| 1953 | Ditto | | |
| 35 | | Y. P. Panel No. 9 | 880 sq. ft. |
| 1953 | | | |
| 1923 | Ditto | | |
| 30 | | C. Panel No. 9 | 946 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1923 | | | |
| 1888 | Ditto | | |
| 35 | | W. P. Panel No. 10 | 810 sq. ft. |
| 1888 | | | |
| 1857 | Ditto | | |
| 31 | | Y. P. Panel No. 10 | 915 sq. ft. |
| 1857 | | | |
| 1825 | Ditto | | |
| 32 | | C. Panel No. 10 | 810 sq. ft. |

## No. 6 WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2165 | Wt. of paint before use. | | |
| 2132 | " " " after use. | | |
| 33 | " " " applied to | W. P. Panel No. 11 | 994 sq. ft. |
| 2132 | | | |
| 2099 | Ditto | | |
| 33 | | Y. P. Panel No. 11 | 994 sq. ft. |
| 1977 | | | |
| 1944 | Ditto | | |
| 33 | | C. Panel No. 11 | 994 sq. ft. |
| 2099 | | | |
| 2063 | Ditto | | |
| 36 | | W. P. Panel No. 12 | 912 sq. ft. |
| 2063 | | | |
| 2031 | Ditto | | |
| 32 | | Y. P. Panel No. 12 | 1025 sq. ft. |
| 2010 | | | |
| 1977 | Ditto | | |
| 33 | | C. Panel No. 12 | 964 sq. ft. |

## No. 7 WHITE PAINT.

### 3d Coat.

| Crammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2278 | Wt. of paint | before use. | | | |
| 2244 | " " " | after use. | | | |
| 34 | " " " | applied to | W. P. Panel No. 13 | | 996 sq. ft. |
| 2244 | | | | | |
| 2207 | Ditto | | | | |
| 37 | | | Y. P. Panel No. 13 | | 915 sq. ft. |
| 2207 | | | | | |
| 2174 | Ditto | | | | |
| 33 | | | C. Panel No. 13 | | 1026 sq. ft. |
| 2174 | | | | | |
| 2140 | Ditto | | | | |
| 34 | | | W. P. Panel No. 14 | | 996 sq ft. |
| 2140 | | | | | |
| 2105 | Ditto | | | | |
| 35 | | | Y. P. Panel No. 14 | | 968 sq. ft. |
| 2105 | | | | | |
| 2072 | Ditto | | | | |
| 33 | | | C. Panel No. 14 | | 1026 sq. ft. |

## No. 8 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2197 | Wt. of paint | before use. | | | |
| 2162 | " " " | after use. | | | |
| 35 | " " " | applied to | W. P. Panel No. 15 | | 854 sq. ft. |
| 2162 | | | | | |
| 2128 | Ditto | | | | |
| 34 | | | Y. P. Panel No. 15 | | 880 sq. ft. |
| 2128 | | | | | |
| 2091 | Ditto | | | | |
| 37 | | | C. Panel No. 15 | | 808 sq. ft. |

| Grammes | | | Spreading Rate. |
|---|---|---|---|
| 2091 | | | |
| 2056 | Ditto | | |
| 35 | | W. P. Panel No. 16 | 854 sq. ft. |
| 2056 | | | |
| 2020 | Ditto | | |
| 36 | | Y. P. Panel No. 16 | 831 sq. ft. |
| 2020 | | | |
| 1984 | Ditto | | |
| 36 | | C. Panel No. 16 | 831 sq. ft. |

## No. 9 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1768 | Wt. of paint | | before use. | | |
| 1747 | " | " | after use. | | |
| 21 | " | " | applied to | W. P. Panel No. 17 | 1160 sq. ft. |
| 1747 | | | | | |
| 1725 | Ditto | | | | |
| 22 | | | | Y. P. Panel No. 17 | 1107 sq. ft. |
| 1725 | | | | | |
| 1702 | Ditto | | | | |
| 23 | | | | C. Panel No. 17 | 1059 sq. ft. |
| 1702 | | | | | |
| 1682½ | Ditto | | | | |
| 19½ | | | | W. P. Panel No. 18 | 1249 sq. ft. |
| 1682½ | | | | | |
| 1657 | Ditto | | | | |
| 25½ | | | | Y. P. Panel No. 18 | 955 sq. ft. |
| 1657 | | | | | |
| 1632 | Ditto | | | | |
| 25 | | | | C. Panel No. 18 | 974 sq. ft. |

## No. 10 WHITE PAINT.

### 3d Coat.

| Grammes | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2258 | Wt. of paint | | before use. | | |
| 2229 | " | " | after use. | | |
| 29 | " | " | applied to | W. P. Panel No. 19 | 1070 sq. ft. |
| 2229 | | | | | |
| 2194 | | Ditto | | | |
| 35 | | | | Y. P. Panel No. 19 | 886 sq. ft. |
| 2194 | | | | | |
| 2162 | | Ditto | | | |
| 32 | | | | C. Panel No. 19 | 969 sq. ft. |
| 2162 | | | | | |
| 2129 | | Ditto | | | |
| 33 | | | | W. P. Panel No. 20 | 940 sq. ft. |
| 2129 | | | | | |
| 2096 | | Ditto | | | |
| 33 | | | | Y. P. Panel No. 20 | 940 sq. ft. |
| 2096 | | | | | |
| 2068 | | Ditto | | | |
| 28 | | | | C. Panel No. 20 | 1108 sq. ft. |

## No. 11 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2287 | Wt. of paint | | before use. | | |
| 2257 | " | " | after use. | | |
| 30 | " | " | applied to | W. P. Panel No. 21 | 1010 sq. ft. |
| 2257 | | | | | |
| 2230 | | Ditto | | | |
| 27 | | | | Y. P. Panel No. 21 | 1123 sq. ft. |
| 2230 | | | | | |
| 2198 | | Ditto | | | |
| 32 | | | | C. Panel No. 21 | 947 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2198 | | | |
| 2167 | Ditto | | |
| 31 | | W. P. Panel No. 22 | 978 sq. ft. |
| 2167 | | | |
| 2136 | Ditto | | |
| 31 | | Y. P. Panel No. 22 | 978 sq. ft. |
| 2136 | | | |
| 2104 | Ditto | | |
| 32 | | C. Panel No. 22 | 947 sq. ft. |

## No. 12 WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2054 | Wt. of paint before use. | | |
| 2020 | " " " after use. | | |
| 34 | " " " applied to | W. P. Panel No. 23 | 623 sq. ft. |
| 2020 | | | |
| 1993 | Ditto | | |
| 27 | | Y. P. Panel No. 23 | 785 sq. ft. |
| 1993 | | | |
| 1963 | Ditto | | |
| 30 | | C. Panel No. 23 | 707 sq. ft. |
| 1963 | | | |
| 1934 | Ditto | | |
| 29 | | W. P. Panel No. 24 | 731 sq. ft. |
| 1934 | | | |
| 1902 | Ditto | | |
| 32 | | Y. P. Panel No. 24 | 662 sq. ft. |
| 1902 | | | |
| 1869 | Ditto | | |
| 33 | | C. Panel No. 24 | 642 sq. ft. |

## No. 13 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2157 | Wt. of paint before use. | | | | |
| 2125 | " " " | after use. | | | |
| 32 | " " " | applied to | W. P. Panel No. 25 | | 981 sq. ft. |
| 2125 | | | | | |
| 2088 | Ditto | | | | |
| 37 | | | Y. P. Panel No. 25 | | 851 sq. ft. |
| 2088 | | | | | |
| 2050 | Ditto | | | | |
| 38 | | | C. Panel No. 25 | | 826 sq. ft. |
| 2050 | | | | | |
| 2016 | Ditto | | | | |
| 34 | | | W. P. Panel No. 26 | | 923 sq. ft. |
| 2016 | | | | | |
| 1980 | Ditto | | | | |
| 36 | | | Y. P. Panel No. 26 | | 872 sq. ft. |
| 1980 | | | | | |
| 1945 | Ditto | | | | |
| 35 | | | C. Panel No. 26 | | 896 sq. ft. |

## No. 14 WHITE PAINT.

### 3d Coat.

| 2038 | Wt. of paint before use. | | | | |
|---|---|---|---|---|---|
| 2002 | " " " | after use. | | | |
| 36 | " " " | applied to | W. P. Panel No. 27 | | 807 sq. ft. |
| 2002 | | | | | |
| 1967 | Ditto | | | | |
| 35 | | | Y. P. Panel No. 27 | | 830 sq. ft. |
| 1967 | | | | | |
| 1931 | Ditto | | | | |
| 36 | | | C. Panel No. 27 | | 807 sq. ft. |

| Grammes | | | | Spreading Rate. |
|---|---|---|---|---|
| 1931 | | | | |
| 1897 | Ditto | | | |
| 34 | | | W. P. Panel No. 28 | 854 sq. ft. |
| 1897 | | | | |
| 1863 | Ditto | | | |
| 34 | | | Y. P. Panel No. 28 | 854 sq. ft. |
| 1863 | | | | |
| 1827 | Ditto | | | |
| 36 | | | C. Panel No. 28 | 807 sq. ft. |

## No. 15 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2372 | Wt. of paint | | before use. | | |
| 2341½ | " | " | after use. | | |
| 34½ | " | " | applied to | W. P. Panel No. 29 | 984 sq. ft. |
| 2341½ | | | | | |
| 2309 | Ditto | | | | |
| 32½ | | | | Y. P. Panel No. 29 | 1044 sq. ft. |
| 2309 | | | | | |
| 2276 | Ditto | | | | |
| 33 | | | | C. Panel No. 29 | 1028 sq. ft. |
| 2276 | | | | | |
| 2246 | Ditto | | | | |
| 30 | | | | W. P. Panel No. 30 | 1131 sq. ft. |
| 2246 | | | | | |
| 2214 | Ditto | | | | |
| 32 | | | | Y. P. Panel No. 30 | 1061 sq. ft. |
| 2214 | | | | | |
| 2182 | Ditto | | | | |
| 32 | | | | C. Panel No. 30 | 1061 sq. ft. |

## No. 16 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2239 | Wt. of paint before use. | | | |
| 2202 | " " " after use. | | | |
| 37 | " " " applied to | W. P. Panel No. 31 | | 860 sq. ft. |
| 2202 | | | | |
| 2162 | Ditto | | | |
| 40 | | Y. P. Panel No. 31 | | 796 sq. ft. |
| 2162 | | | | |
| 2129 | Ditto | | | |
| 33 | | C. Panel No. 31 | | 964 sq. ft. |
| 2129 | | | | |
| 2095 | Ditto | | | |
| 34 | | W. P. Panel No. 32 | | 936 sq. ft. |
| 2095 | | | | |
| 2059 | Ditto | | | |
| 36 | | Y. P. Panel No. 32 | | 884 sq. ft. |
| 2059 | | | | |
| 2022 | Ditto | | | |
| 37 | | C. Panel No. 32 | | 860 sq. ft. |

## No. 17 WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2223 | Wt. of paint before use. | | | |
| 2195 | " " " after use. | | | |
| 28 | " " " applied to | W. P. Panel No. 33 | | 1077 sq. ft. |
| 2195 | | | | |
| 2167 | Ditto | | | |
| 28 | | Y. P. Panel No. 33 | | 1077 sq. ft. |
| 2167 | | | | |
| 2140 | Ditto | | | |
| 27 | | C. Panel No. 33 | | 1113 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2140 | | | |
| 2107 | Ditto | | |
| 33 | | W. P. Panel No. 34 | 1307 sq. ft. |
| 2107 | | | |
| 2080 | Ditto | | |
| 27 | | Y. P. Panel No. 34 | 1113 sq. ft. |
| 2080 | | | |
| 2054 | Ditto | | |
| 26 | | C. Panel No. 34 | 1156 sq. ft. |

## No. 18 WHITE PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2460 | Wt. of paint before use. | | |
| 2427 | " " " after use. | | |
| 33 | " " " applied to | W. P. Panel No. 35 | 1031 sq. ft. |
| 2427 | | | |
| 2394 | Ditto | | |
| 33 | | Y. P. Panel No. 35 | 1031 sq. ft. |
| 2394 | | | |
| 2362 | Ditto | | |
| 32 | | C. Panel No. 35 | 1064 sq. ft. |
| 2362 | | | |
| 2329 | Ditto | | |
| 33 | | W. P. Panel No. 36 | 1031 sq. ft. |
| 2329 | | | |
| 2290 | Ditto | | |
| 39 | | Y. P. Panel No. 36 | 873 sq. ft. |
| 2290 | | | |
| 2256½ | Ditto | | |
| 33½ | | C. Panel No. 36 | 1016 sq. ft. |

## No. 19 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2441½ | Wt. of paint before use. | | | |
| 2409 | " " " | after use. | | |
| 32½ | " " " | applied to | W. P. Panel No. 37 | 1037 sq. ft. |
| 2409 | | | | |
| 2374½ | Ditto | | | |
| 34½ | | | Y. P. Panel No. 37 | 977 sq. ft. |
| 2374½ | | | | |
| 2335½ | Ditto | | | |
| 39 | | | C. Panel No. 37 | 864 sq. ft. |
| 2335½ | | | | |
| 2301 | Ditto | | | |
| 34½ | | | W. P. Panel No. 38 | 977 sq. ft. |
| 2301 | | | | |
| 2260 | Ditto | | | |
| 41 | | | Y. P. Panel No. 38 | 822 sq. ft. |
| 2260 | | | | |
| 2228 | Ditto | | | |
| 32 | | | C. Panel No. 38 | 1053 sq. ft. |

## No. 20 WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2321 | Wt. of paint before use. | | | |
| 2287 | " " " | after use. | | |
| 34 | " " " | applied to | W. P. Panel No. 39 | 929 sq. ft. |
| 2287 | | | | |
| 2254 | Ditto | | | |
| 33 | | | Y. P. Panel No. 39 | 927 sq. ft. |
| 2254 | | | | |
| 2223½ | Ditto | | | |
| 30½ | | | C. Panel No. 39 | 1035 sq. ft. |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2223½ | | | | |
| 2191½ | Ditto | | | |
| 32 | | | W. P. Panel No. 40 | 987 sq. ft. |
| 2191½ | | | | |
| 2158½ | Ditto | | | |
| 33 | | | Y. P. Panel No. 40 | 927 sq. ft. |
| 2158½ | | | | |
| 2122½ | Ditto | | | |
| 36 | | | C. Panel No. 40 | 877 sq. ft. |

## No. 21 WHITE PAINT.

### 3d Coat.

| | | | | | | |
|---|---|---|---|---|---|---|
| 2045 | Wt. of paint | | | before use. | | |
| 2016 | " | " | " | after use. | | |
| 29 | " | " | " | applied to | W. P. Panel No. 41 | 910 sq. ft. |
| 2016 | | | | | | |
| 1986 | Ditto | | | | | |
| 30 | | | | | Y. P. Panel No. 41 | 879 sq. ft. |
| 1986 | | | | | | |
| 1959 | Ditto | | | | | |
| 27 | | | | | C. Panel No. 41 | 977 sq. ft. |
| 1959 | | | | | | |
| 1929 | Ditto | | | | | |
| 30 | | | | | W. P. Panel No. 42 | 879 sq. ft. |
| 1929 | | | | | | |
| 1900 | Ditto | | | | | |
| 29 | | | | | Y. P. Panel No. 42 | 910 sq. ft. |
| 1900 | | | | | | |
| 1869 | Ditto | | | | | |
| 31 | | | | | C. Panel No. 42 | 851 sq. ft. |

## No. 22 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2095 | Wt. of paint before use. | | | |
| 2060 | " " " after use. | | | |
| 35 | " " " | applied to | W. P. Panel No. 43 | 810 sq. ft. |
| 2060 | | | | |
| 2028 | Ditto | | | |
| 32 | | | Y. P. Panel No. 43 | 886 sq. ft. |
| 2028 | | | | |
| 1993 | Ditto | | | |
| 35 | | | C. Panel No. 43 | 810 sq. ft. |
| 1993 | | | | |
| 1958 | Ditto | | | |
| 35 | | | W. P. Panel No. 44 | 810 sq. ft. |
| 1958 | | | | |
| 1926 | Ditto | | | |
| 32 | | | Y. P. Panel No. 44 | 886 sq. ft. |
| 1926 | | | | |
| 1893 | Ditto | | | |
| 33 | | | C. Panel No. 44 | 859 sq. ft. |

## No. 23 WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2017 | Wt. of paint before use. | | | |
| 1990 | " " " after use. | | | |
| 27 | " " " | applied to | W. P. Panel No. 45 | 986 sq. ft. |
| 1990 | | | | |
| 1961½ | Ditto | | | |
| 28½ | | | Y. P. Panel No. 45 | 934 sq. ft. |
| 1961½ | | | | |
| 1931½ | Ditto | | | |
| 30 | | | C. Panel No. 45 | 888 sq. ft. |

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 1931½ | | | |
| 1899 | Ditto | | |
| 32½ | | W. P. Panel No. 46 | 819 sq. ft. |
| 1899 | | | |
| 1868 | Ditto | | |
| 31 | | Y. P. Panel No. 46 | 859 sq. ft. |
| 1868 | | | |
| 1838 | Ditto | | |
| 30 | | C. Panel No. 46 | 888 sq. ft. |

## No. 24 WHITE PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2027 | Wt. of paint | before use. | | |
| 1992 | " " " | after use. | | |
| 35 | " " " | applied to | W. P. Panel No. 47 | 783 sq. ft. |
| 1992 | | | | |
| 1959 | Ditto | | | |
| 33 | | | Y. P. Panel No. 47 | 831 sq. ft. |
| 1959 | | | | |
| 1927 | Ditto | | | |
| 32 | | | C. Panel No. 47 | 857 sq. ft. |
| 1927 | | | | |
| 1892 | Ditto | | | |
| 35 | | | W. P. Panel No. 48 | 783 sq. ft. |
| 1892 | | | | |
| 1857 | Ditto | | | |
| 35 | | | Y. P. Panel No. 48 | 783 sq. ft. |
| 1857 | | | | |
| 1822 | Ditto | | | |
| 35 | | | C. Panel No. 48 | 783 sq. ft. |

## No. 25 WHITE PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2279 | Wt. of paint before use. | | | | |
| 2249 | " | " | " | after use. | |
| 30 | " | " | " | applied to W. P. Panel No. 49 | 850 sq. ft. |
| 2049 | | | | | |
| 2019 | | Ditto | | | |
| 30 | | | | Y. P. Panel No. 49 | 850 sq. ft. |
| 2019 | | | | | |
| 1989 | | Ditto | | | |
| 30 | | | | C. Panel No. 49 | 850 sq. ft. |
| 1989 | | | | | |
| 1957 | | Ditto | | | |
| 32 | | | | W. P. Panel No. 50 | 839 sq. ft. |
| 1957 | | | | | |
| 1925 | | Ditto | | | |
| 32 | | | | Y. P. Panel No. 50 | 839 sq. ft. |
| 1925 | | | | | |
| 1895 | | Ditto | | | |
| 30 | | | | C. Panel No. 50 | 850 sq. ft. |

## No. 26 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2136½ | Wt. of paint before use. | | | | |
| 2109 | " | " | " | after use. | |
| 27½ | " | " | " | applied to W. P. Panel No. 51 | 1011 sq. ft. |
| 2109 | | | | | |
| 2081 | | Ditto | | | |
| 28 | | | | Y. P. Panel No. 51 | 993 sq. ft. |
| 2081 | | | | | |
| 2049 | | Ditto | | | |
| 32 | | | | C. Panel No. 51 | 869 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2049 | | | | | |
| 2017 | Ditto | | | | |
| 32 | | | | W. P. Panel No. 52 | 869 sq. ft. |
| 2017 | | | | | |
| 1987 | Ditto | | | | |
| 30 | | | | Y. P. Panel No. 52 | 927 sq. ft. |
| 1987 | | | | | |
| 1959 | Ditto | | | | |
| 28 | | | | C. Panel No. 52 | 993 sq. ft. |

## No. 27 WHITE PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2057 | Wt. of paint | | before use. | | |
| 2019 | " | " | after use. | | |
| 38 | " | " | applied to | W. P. Panel No. 53 | 656 sq. ft. |
| 2019 | | | | | |
| 1990 | Ditto | | | | |
| 29 | | | | Y. P. Panel No. 53 | 860 sq. ft. |
| 1990 | | | | | |
| 1960 | Ditto | | | | |
| 30 | | | | C. Panel No. 53 | 831 sq. ft. |
| 1960 | | | | | |
| 1932 | Ditto | | | | |
| 28 | | | | W. P. Panel No. 54 | 891 sq. ft. |
| 1932 | | | | | |
| 1897 | Ditto | | | | |
| 35 | | | | Y. P. Panel No. 54 | 713 sq. ft. |
| 1897 | | | | | |
| 1867 | Ditto | | | | |
| 30 | | | | C. Panel No. 54 | 831 sq. ft. |

## No. 33 WHITE.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2164 | Wt. of paint before use. | | | | |
| 2128 | " " " after use. | | | | |
| 36 | " " " | applied to | W. P. Panel No. 168 | | 810 sq. ft. |
| 2128 | | | | | |
| 2098 | Ditto | | | | |
| 30 | | | Y. P. Panel No. 168 | | 970 sq. ft. |
| 2098 | | | | | |
| 2070 | Ditto | | | | |
| 28 | | | C. Panel No. 168 | | 1040 sq. ft. |

## No. 34 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1192 | Wt. of paint before use. | | | | |
| 1141½ | " " " after use. | | | | |
| 50½ | " " " | applied to | W. P. Panel No. 172 | | 690 sq. ft. |
| 1141½ | | | | | |
| 1094½ | Dito | | | | |
| 47 | | | Y. P. Panel No. 172 | | 741 sq. ft. |
| 1094½ | | | | | |
| 1049 | Ditto | | | | |
| 45½ | | | C. Panel No. 172 | | 765 sq. ft. |

## No. 35 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1100½ | Wt. of paint before use. | | | | |
| 1046½ | " " " after use. | | | | |
| 54 | " " " | applied to | W. P. Panel No. 173 | | 645 sq. ft. |
| 1046½ | | | | | |
| 1001½ | Ditto | | | | |
| 45 | | | Y. P. Panel No. 173 | | 774 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1001½ | | | | | |
| 953 | Ditto | | | | |
| 48½ | | | | C. Panel No. 173 | 718 sq. ft. |

## No. 36 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 874 | Wt. of paint before use. | | | | |
| 835 | " | " | " | after use. | |
| 39 | " | " | " | applied to | W. P. Panel No. 174 | 838 sq. ft. |
| 835 | | | | | |
| 795½ | Ditto | | | | |
| 40½ | | | | | Y. P. Panel No. 174 | 828 sq. ft. |
| 795½ | | | | | |
| 755½ | Ditto | | | | |
| 40 | | | | | C. Panel No. 174 | 818 sq. ft. |

## No. 37 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1025 | Wt. of paint before use. | | | | |
| 980½ | " | " | " | after use. | |
| 44½ | " | " | " | applied to | W. P. Panel No. 175 | 838 sq. ft. |
| 980½ | | | | | |
| 930½ | Ditto | | | | |
| 50 | | | | | Y. P. Panel No. 175 | 746 sq. ft. |
| 930½ | | | | | |
| 886½ | Ditto | | | | |
| 44 | | | | | C. Panel No. 175 | 847 sq. ft. |

## No. 38 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1096½ | Wt. of paint before use. | | | | |
| 1043½ | " | " | " | after use. | |
| 53 | " | " | " | applied to | W. P. Panel No. 176 | 704 sq. ft. |

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1043½ | | | | | |
| 994½ | Ditto | | | | |
| 49 | | | | Y. P. Panel No. 176 | 761 sq. ft. |
| 996½ | | | | | |
| 944½ | Ditto | | | | |
| 52 | | | | C. Panel No. 176 | 717 sq. ft. |

## No. 39 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 995 | Wt. of paint before use. | | | | |
| 954 | " | " | " after use. | | |
| 41 | " | " | " applied to | W. P. Panel No. 177 | 849 sq. ft. |
| 954 | | | | | |
| 914 | Ditto | | | | |
| 40 | | | | Y. P. Panel No. 177 | 871 sq. ft. |
| 914 | | | | | |
| 879 | Ditto | | | | |
| 35 | | | | C. Panel No. 177 | 995 sq. ft. |

## No. 40 SPECIAL.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 950½ | Wt. of paint before use. | | | | |
| 910½ | " | " | " after use. | | |
| 40 | " | " | " applied to | W. P. Panel No. 178 | 871 sq. ft. |
| 910½ | | | | | |
| 869 | Ditto | | | | |
| 41½ | | | | Y. P. Panel No. 178 | 839 sq. ft. |
| 869 | | | | | |
| 832 | Ditto | | | | |
| 37 | | | | C. Panel No. 178 | 941 sq. ft. |

## No. 45 SPECIAL.

| Grammes | | 3d Coat. | | Spreading Rate. |
|---|---|---|---|---|
| 2070 | Wt. of paint before use. | | | |
| 2035½ | " " " after use. | | | |
| 34½ | " " " applied to | W. P. Panel No. 169 | | 916 sq. ft. |
| 2035½ | | | | |
| 2004 | Ditto | | | |
| 31½ | | Y. P. Panel No. 169 | | 1004 sq. ft. |
| 2004 | | | | |
| 1974 | Ditto | | | |
| 30 | | C. Panel No. 169 | | 1054 sq. ft. |

## No. 46 SPECIAL.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2181 | Wt. of paint before use. | | |
| 2146 | " " " after use. | | |
| 35 | " " " applied to | W. P. Panel No. 170 | 818 sq. ft. |
| 2146 | | | |
| 2116 | Ditto | | |
| 30 | | Y. P. Panel No. 170 | 955 sq. ft. |
| 2116 | | | |
| 2083 | Ditto | | |
| 33 | | C Panel No. 170 | 867 sq. ft. |

## No. 47 WHITE.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2213 | Wt. of paint before use. | | |
| 2179 | " " " after use. | | |
| 34 | " " " applied to | W. P. Panel No. 171 | 993 sq. ft. |
| 2179 | | | |
| 2153 | Ditto | | |
| 26 | | Y. P. Panel No. 171 | 1298 sq. ft. |
| 2153 | | | |
| 2122 | Ditto | | |
| 31 | | C. Panel No. 171 | 1090 sq. ft. |

# Yellow Paint
# First Coat

## No. 1 YELLOW PAINT.

### 1st Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1832 | Wt. of ¼ gal. paint as received. | | | |
| 1634½ | " | " | reduced paint before use. | |
| 1587 | " | " | " " after use. | |
| 57½ | " | " | paint applied to | W. P. Panel No. 55 |
| 1587 | | | | |
| 1526½ | | Ditto | | |
| 60 | | | | Y P. Panel No. 55 |
| 1526½ | | | | |
| 1488½ | | Ditto | | |
| 38 | | | | C. Panel No. 55 |
| 1488½ | | | | |
| 1434½ | | Ditto | | |
| 54 | | | | W. P. Panel No. 56 |
| 1434½ | | | | |
| 1371 | | Ditto | | |
| 63 | | | | Y. P. Panel No. 56 |
| 1371 | | | | |
| 1323 | | Ditto | | |
| 48 | | | | C. Panel No. 56 |

## No. 2 YELLOW PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1903½ | Wt. of ¼ gal. paint as received. | | | |
| 1531 | " | " | reduced paint before use. | |
| 1481½ | " | " | " " after use. | |
| 49½ | " | " | paint applied to | W. P. Panel No. 57 |
| 1481½ | | | | |
| 1434½ | | Ditto | | |
| 47 | | | | Y. P. Panel No. 57 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1434½ | | |
| 1385½ | Ditto | |
| 49 | | C. Panel No. 57 |
| 1385½ | | |
| 1333 | Ditto | |
| 52½ | | W. P. Panel No. 58 |
| 1333½ | | |
| 1276½ | Ditto | |
| 57 | | Y. P. Panel No. 58 |
| 1276½ | | |
| 1234 | Ditto | |
| 42 | | C. Panel No. 58 |

## No. 3 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2158 | Wt. of ¼ gal. paint as received. | |
| 1840 | " " reduced paint before use. | |
| 1782 | " " " " after use. | |
| 58 | " " paint applied to | W. P. Panel No. 59 |
| 1782 | | |
| 1726½ | Ditto | |
| 55½ | | Y. P. Panel No. 59 |
| 1726½ | | |
| 1681 | Ditto | |
| 44½ | | C. Panel No. 59 |
| 1681½ | | |
| 1630½ | Ditto | |
| 51 | | W. P. Panel No. 60 |
| 1630½ | | |
| 1579½ | Ditto | |
| 50 | | Y. P. Panel No. 60 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1579½ | | |
| 1528½ | Ditto | |
| 51 | | C. Panel No. 60 |

## No. 4 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2086 | Wt. of ¼ gal. paint as received. | |
| 1608½ | " " reduced paint before use. | |
| 1556 | " " " " after use. | |
| 51½ | " " paint applied to | W. P. Panel No. 61 |
| 1556 | | |
| 1508 | Ditto | |
| 48 | | Y. P. Panel No. 61 |
| 1508 | | |
| 1464½ | Ditto | |
| 43½ | | C. Panel No. 61 |
| 1464½ | | |
| 1412 | Ditto | |
| 52½ | | W. P. Panel No. 62 |
| 1412 | | |
| 1358 | Ditto | |
| 54 | | Y. P. Panel No. 62 |
| 1358 | | |
| 1212½ | Ditto | |
| 45½ | | C. Panel No. 62 |

## No. 5 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1721½ | Wt. of ¼ gal. paint as received. | |
| 1507 | " " reduced paint before use. | |
| 1452 | " " " " after use. | |
| 55 | " " paint applied to | W. P. Panel No. 63 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1452 | | |
| 1416 | Ditto | |
| 46 | | Y. P. Panel No. 63 |
| 1416 | | |
| 1368 | Ditto | |
| 48 | | C. Panel No. 63 |
| 1368 | | |
| 1321½ | Ditto | |
| 46½ | | W. P. Panel No. 64 |
| 1321½ | | |
| 1271 | Ditto | |
| 50½ | | Y. P. Panel No. 64 |
| 1271 | | |
| 1226½ | Ditto | |
| 44½ | | C. Panel No. 64 |

## No. 6 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1882 | Wt. of ¼ gal. paint as received. | |
| 1590 | " " reduced paint before use. | |
| 1540½ | " " " " after use. | |
| 49½ | " " paint applied to | W. P. Panel No. 65 |
| 1540½ | | |
| 1490½ | Ditto | |
| 50 | | Y. P. Panel No. 65 |
| 1490½ | | |
| 1442½ | Ditto | |
| 48 | | C. Panel No. 65 |
| 1442½ | | |
| 1387 | Ditto | |
| 55½ | | W. P. Panel No. 66 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1387 | | |
| 1336 | Ditto | |
| 51 | | Y. P. Panel No. 66 |
| 1336 | | |
| 1286 | Ditto | |
| 50 | | C. Panel No. 66 |

## No. 7 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2044 | Wt. of ¼ gal. paint as received. | |
| 1671 | " " reduced paint before use. | |
| 1603 | " " " " after use. | |
| 68 | " " paint applied to | W. P. Panel No. 67 |
| 1603 | | |
| 1554 | Ditto | |
| 49 | | Y. P. Panel No. 67 |
| 1554 | | |
| 1508 | Ditto | |
| 46 | | C. Panel No. 67 |
| 1508 | | |
| 1447½ | Ditto | |
| 60½ | | W. P. Panel No. 68 |
| 1447½ | | |
| 1386½ | Ditto | |
| 61 | | Y. P. Panel No. 68 |
| 1386½ | | |
| 1332½ | Ditto | |
| 54 | | C. Panel No. 68 |

## No. 8 YELLOW PAINT.

### 1st Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1887½ | Wt. of ¼ gal. paint as received. | | | |
| 1697 | " | " | reduced paint before use. | |
| 1638 | " | " | " " after use. | |
| 59 | " | " | paint applied to | W. P. Panel No. 69 |
| 1638 | | | | |
| 1571½ | | Ditto | | |
| 66½ | | | | Y. P. Panel No. 69 |
| 1571½ | | | | |
| 1522½ | | Ditto | | |
| 49 | | | | C. Panel No. 69 |
| 1522½ | | | | |
| 1471½ | | Ditto | | |
| 51 | | | | W. P. Panel No. 70 |
| 1471½ | | | | |
| 1412½ | | Ditto | | |
| 59 | | | | Y. P. Panel No. 70 |
| 1412½ | | | | |
| 1362 | | Ditto | | |
| 49½ | | | | C. Panel No. 70 |

## No. 9 YELLOW PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1565 | Wt. of ¼ gal. paint as received. | | | |
| 1515 | " | " | reduced paint before use. | |
| 1470 | " | " | " " after use. | |
| 45 | " | " | paint applied to | W. P. Panel No. 71 |
| 1470 | | | | |
| 1428½ | | Ditto | | |
| 41½ | | | | Y. P. Panel No. 71 |

| Grammes | | Spreading Rate. |
|---|---|---|
| 1428½ | | |
| 1389 | Ditto | |
| 39½ | | C. Panel No. 71 |
| 1389 | | |
| 1345 | Ditto | |
| 44 | | W. P. Panel No. 72 |
| 1345 | | |
| 1305 | Ditto | |
| 40 | | Y. P. Panel No. 72 |
| 1305 | | |
| 1275 | Ditto | |
| 30 | | C. Panel No. 72 |

## No. 10 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1831 | Wt. of ¼ gal. paint as received. | |
| 1480 | " " reduced paint before use. | |
| 1429½ | " " " " after use. | |
| 50½ | " " paint applied to | W. P. Panel No. 73 |
| 1429½ | | |
| 1376 | Ditto | |
| 53½ | | Y. P. Panel No. 73 |
| 1376 | | |
| 1331½ | Ditto | |
| 44½ | | C. Panel No. 73 |
| 1331½ | | |
| 1280½ | Ditto | |
| 51 | | W. P. Panel No. 74 |
| 1280½ | | |
| 1232½ | Ditto | |
| 48 | | Y. P. Panel No. 74 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1232½ | | |
| 1190 | Ditto | |
| 42½ | | C. Panel No. 74 |

## No. 11 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1926 | Wt. of ¼ gal. paint as received. | |
| 1655 | " " reduced paint before use. | |
| 1599½ | " " " " after use. | |
| 55½ | " " paint applied to | W. P. Panel No. 75 |
| 1599½ | | |
| 1531 | Ditto | |
| 67½ | | Y. P. Panel No. 75 |
| 1531 | | |
| 1486½ | Ditto | |
| 44½ | | C. Panel No. 75 |
| 1486½ | | |
| 1430½ | Ditto | |
| 56 | | Y. P. Panel No. 76 |
| 1430½ | | |
| 1361½ | Ditto | |
| 69 | | Y. P. Panel No. 76 |
| 1361½ | | |
| 1311 | Ditto | |
| 50½ | | C. Panel No. 76 |

## No. 12 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1826 | Wt. of ¼ gal. paint as received. | |
| 1502 | " " reduced paint before use. | |
| 1445 | " " " " after use. | |
| 57 | " " paint applied to | W. P. Panel No. 77 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1445 | | |
| 1387 | Ditto | |
| 58 | | Y. P. Panel No. 77 |
| 1387 | | |
| 1337 | Ditto | |
| 50 | | C. Panel No. 77 |
| 1337 | | |
| 1278 | Ditto | |
| 59 | | W. P. Panel No. 78 |
| 1278 | | |
| 1230 | Ditto | |
| 48 | | Y. P. Panel No. 78 |
| 1230 | | |
| 1180 | Ditto | |
| 50 | | C. Panel No. 78 |

## No. 13 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1842 | Wt. of ¼ gal. paint as received. | |
| 1547 | " " reduced paint before use. | |
| 1489½ | " " " " after use. | |
| 57½ | " " paint applied to | W. P. Panel No. 79 |
| 1489½ | | |
| 1432½ | Ditto | |
| 57 | | Y. P. Panel No. 79 |
| 1432½ | | |
| 1386 | Ditto | |
| 46½ | | C. Panel No. 79 |
| 1386 | | |
| 1328½ | Ditto | |
| 57½ | | W. P. Panel No. 80 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1328½ | | |
| 1277 | Ditto | |
| 51½ | | Y. P. Panel No. 80 |
| 1277 | | |
| 1232½ | Ditto | |
| 44½ | | C. Panel No. 80 |

## No. 14 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1706 | Wt. of ¼ gal. paint as received. | |
| 1520 | " " reduced paint before use. | |
| 1468 | " " " " after use. | |
| 52 | " " paint applied to | W. P. Panel No. 81 |
| 1468 | | |
| 1412 | Ditto | |
| 56 | | Y. P. Panel No. 81 |
| 1412 | | |
| 1364 | Ditto | |
| 48 | | C. Panel No. 81 |
| 1364 | | |
| 1313 | Ditto | |
| 53 | | W. P. Panel No. 82 |
| 1313 | | |
| 1254½ | Ditto | |
| 56½ | | Y. P. Panel No. 82 |
| 1254½ | | |
| 1206½ | Ditto | |
| 48 | | C. Panel No. 82 |

## No. 15 YELLOW PAINT.

### 1st Coat.

| Grammes | | Spreading Rate. |
|---|---|---|
| 1971 | Wt. of ¼ gal. paint as received. | |
| 1660 | " " reduced paint before use. | |
| 1612½ | " " " " after use. | |
| 47½ | " " paint applied to | W. P. Panel No. 83 |
| 1612½ | | |
| 1567½ | Ditto | |
| 45 | | Y.P. Panel No. 83 |
| 1567½ | | |
| 1513½ | Ditto | |
| 54 | | C. Panel No. 83 |
| 1513½ | | |
| 1458½ | Ditto | |
| 55 | | W. P. Panel No. 84 |
| 1458½ | | |
| 1398½ | Ditto | |
| 60 | | Y. P. Panel No. 84 |
| 1498½ | | |
| 1348½ | Ditto | |
| 50 | | C. Panel No. 84 |

## No. 16 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2016 | Wt. of ¼ gal. paint as received. | |
| 1632½ | " " reduced paint before use. | |
| 1581 | " " " " after use. | |
| 51½ | " " paint applied to | W. P. Panel No. 85 |
| 1581 | | |
| 1527½ | Ditto | |
| 53½ | | Y. P. Panel No. 85 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1527½ | | |
| 1473 | Ditto | |
| 54½ | | C. Panel No. 85 |
| 1473 | | |
| 1425 | Ditto | |
| 48 | | W. P. Panel No. 86 |
| 1425 | | |
| 1375½ | Ditto | |
| 49½ | | Y. P. Panel No. 86 |
| 1375½ | | |
| 1322½ | Ditto | |
| 53 | | C. Panel No. 86 |

## No. 17 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1944 | Wt. of ¼ gal. paint as received. | |
| 1651 | " " reduced paint before use. | |
| 1596 | " " " " after use. | |
| 55 | " " paint applied to | W. P. Panel No. 87 |
| 1596 | | |
| 1552 | Ditto | |
| 44 | | Y. P. Panel No. 87 |
| 1552 | | |
| 1505½ | Ditto | |
| 46½ | | C. Panel No. 87 |
| 1505½ | | |
| 1451 | Ditto | |
| 53½ | | W. P. Panel No. 88 |
| 1451 | | |
| 1404 | Ditto | |
| 47 | | Y. P. Panel No. 88 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1404 | | |
| 1357 | Ditto | |
| 47 | | C. Panel No. 88 |

## No. 18 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2043 | Wt. of ¼ gal. paint as received. | |
| 1754 | " " reduced paint before use. | |
| 1704 | " " " " after use. | |
| 50 | " " paint applied to | W. P. Panel No. 89 |
| 1704 | | |
| 1647 | Ditto | |
| 57 | | Y. P. Panel No. 89 |
| 1647 | | |
| 1601½ | Ditto | |
| 45½ | | C. Panel No. 89 |
| 1601½ | | |
| 1550½ | Ditto | |
| 51 | | W. P. Panel No. 90 |
| 1550½ | | |
| 1502 | Ditto | |
| 58½ | | Y. P. Panel No. 90 |
| 1502 | | |
| 1450 | Ditto | |
| 52 | | C. Panel No. 90 |

## No. 19 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2097 | Wt. of ¼ gal. paint as received. | |
| 1787½ | " " reduced paint before use. | |
| 1735½ | " " " " after use. | |
| 52 | " " paint applied to | W. P. Panel No. 91 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1735½ | | |
| 1685 | Ditto | |
| 50½ | | Y. P. Panel No. 91 |
| 1685 | | |
| 1639½ | Ditto | |
| 46½ | | C. Panel No. 91 |
| 1639½ | | |
| 1537 | Ditto | |
| 52½ | | W. P. Panel No. 92 |
| 1537 | | |
| 1484½ | Ditto | |
| 52½ | | Y. P. Panel No. 92 |
| 1484½ | | |
| 1440 | Ditto | |
| 44½ | | C. Panel No. 92 |

## No. 20 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1961½ | Wt. of ¼ Gal. paint as received. | |
| 1604 | " " reduced paint before use. | |
| 1547 | " " " " after use. | |
| 57 | " " paint applied to | W. P. Panel No. 93 |
| 1547 | | |
| 1496 | Ditto | |
| 51 | | Y. P. Panel No. 93 |
| 1496 | | |
| 1444 | Ditto | |
| 52 | | C. Panel No. 93 |
| 1444 | | |
| 1389 | Ditto | |
| 55 | | W. P. Panel No. 94 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1389 | | |
| 1337 | Ditto | |
| 52 | | Y. P. Panel No. 94 |
| 1337 | | |
| 1287 | Ditto | |
| 50 | | C. Panel No. 94 |

## No. 21 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1723½ | Wt. of ¼ gal. of paint as received. | |
| 1582 | " " reduced paint before use. | |
| 1535½ | " " " " after use. | |
| 46½ | " " paint applied to | W. P. Pane No.95 |
| 1535½ | | |
| 1486 | Ditto | |
| 48½ | | Y. P. Panel No. 95 |
| 1486 | | |
| 1447½ | Ditto | |
| 38½ | | C. Panel No. 95 |
| 1447½ | | |
| 1403 | Ditto | |
| 44½ | | W. P. Panel No. 96 |
| 1403 | | |
| 1359½ | Ditto | |
| 43½ | | Y. P. Panel No. 96 |
| 1359½ | | |
| 1316 | Ditto | |
| 43½ | | C. Panel No. 96 |

## No. 22 YELLOW PAINT.

### 1st Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1828½ | Wt. of ¼ gal. paint as received. | | | |
| 1684 | " | " | reduced paint before use. | |
| 1638 | " | " | " " after use. | |
| 46 | " | " | paint applied to | W. P. Panel No. 97 |
| 1638 | | | | |
| 1585 | | Ditto | | |
| 53 | | | | Y. P. Panel No. 97 |
| 1585 | | | | |
| 1542½ | | Ditto | | |
| 42½ | | | | C. Panel No. 97 |
| 1542½ | | | | |
| 1493 | | Ditto | | |
| 48½ | | | | W. P. Panel No. 98 |
| 1493 | | | | |
| 1442 | | Ditto | | |
| 51 | | | | Y. P. Panel No. 98 |
| 1442 | | | | |
| 1401 | | Ditto | | |
| 41 | | | | C. Panel No. 98 |

## No. 23 YELLOW PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1736 | Wt. of ¼ gal. paint as received. | | | |
| 1601½ | " | " | reduced paint before use. | |
| 1554½ | " | " | " " after use. | |
| 47 | " | " | paint applied to | W. P. Panel No. 99 |
| 1554½ | | | | |
| 1512 | | Ditto | | |
| 42½ | | | | Y. P. Panel No. 99 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1512 | | |
| 1474 | Ditto | |
| 38 | | C. Panel No. 99 |
| 1474 | | |
| 1432½ | Ditto | |
| 41½ | | W. P. Panel No. 100 |
| 1432½ | | |
| 1377 | Ditto | |
| 55½ | | Y. P. Panel No. 100 |
| 1377 | | |
| 1329 | Ditto | |
| 48 | | C. Panel No. 100 |

## No. 24 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1765 | Wt. of ¼ gal. paint as received. | |
| 1556 | " " reduced paint before use. | |
| 1507½ | " " " " after use. | |
| 48½ | " " paint applied to | W. P. Panel No. 101 |
| 1507½ | | |
| 1461 | Ditto | |
| 46½ | | Y. P. Panel No. 101 |
| 1461 | | |
| 1425 | Ditto | |
| 36 | | C. Panel No. 101 |
| 1425 | | |
| 1379 | Ditto | |
| 46 | | W. P. Panel No. 102 |
| 1379 | | |
| 1327 | Ditto | |
| 52 | | Y. P. Panel No. 102 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1327 | | |
| 1284 | Ditto | |
| 43 | | C. Panel No. 102 |

## No. 25 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1787 | Wt. of ¼ gal. paint as received. | |
| 1556 | " " reduced paint before use. | |
| 1506 | " " " " after use. | |
| 50 | " " paint applied to | W. P. Panel No. 103 |
| 1506 | | |
| 1446 | Ditto | |
| 60 | | Y. P. Panel No. 103 |
| 1446 | | |
| 1407 | Ditto | |
| 39 | | C. Panel No. 103 |
| 1407 | | |
| 1355 | Ditto | |
| 52 | | W. P. Panel No. 104 |
| 1355 | | |
| 1303 | Ditto | |
| 52 | | Y. P. Panel No. 104 |
| 1303 | | |
| 1258 | Ditto | |
| 45 | | C. Panel No. 104 |

## No. 26 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1813 | Wt. of ¼ gal. paint as received. | |
| 1623 | " " reduced paint before use. | |
| 1569½ | " " " " after use. | |
| 53½ | " " paint applied to | W. P. Panel No. 105 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1569½ | | |
| 1520½ | Ditto | |
| 49 | | Y. P. Panel No. 105 |
| 1520½ | | |
| 1483 | Ditto | |
| 37½ | | C. Panel No. 105 |
| 1483 | | |
| 1431 | Ditto | |
| 52 | | W. P. Panel No. 106 |
| 1431 | | |
| 1386½ | Ditto | |
| 44½ | | Y. P. Panel No. 106 |
| 1386½ | | |
| 1344½ | Ditto | |
| 42 | | C. Panel No. 106 |

## No. 27 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1793 | Wt. of ¼ gal. paint as received. | |
| 1639 | " " reduced paint before use. | |
| 1585½ | " " " " after use. | |
| 53½ | " " paint applied to | W. P. Panel No. 107 |
| 1585½ | | |
| 1532½ | Ditto | |
| 53 | | Y. P. Panel No. 107 |
| 1532½ | | |
| 1485½ | Ditto | |
| 47 | | C. Panel No. 107 |
| 1485½ | | |
| 1430 | Ditto | |
| 54½ | | W. P. Panel No. 108 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1430 | | |
| 1379 | Ditto | |
| 51 | | Y. P. Panel No. 108 |
| 1379 | | |
| 1337 | Ditto | |
| 42 | | C. Panel No. 108 |

## No. 28 YELLOW PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1774½ | Wt. of ¼ gal. as received. | |
| 1556½ | " " reduced paint before use. | |
| 1506 | " " " " after use. | |
| 50½ | " " paint applied to | W. P. Panel No. 109 |
| 1506 | | |
| 1457 | Ditto | |
| 51 | | Y. P. Panel No. 109 |
| 1457 | | |
| 1420 | Ditto | |
| 37 | | C. Panel No. 109 |

Yellow Paint
Second Coat

## No. 1 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1420 | Wt. of paint before use. | | | |
| 1392 | " | " | after use. | |
| 28 | " | " | applied to | W. P. Panel No. 55 |
| 1392 | | | | |
| 1360 | Ditto | | | |
| 32 | | | | Y. P. Panel No. 55 |
| 1360 | | | | |
| 1334 | Ditto | | | |
| 26 | | | | C Panel No. 55 |
| 1334 | | | | |
| 1303 | Ditto | | | |
| 31 | | | | W. P. Panel No. 56 |
| 1303 | | | | |
| 1270 | Ditto | | | |
| 33 | | | | Y. P. Panel No. 56 |
| 1270 | | | | |
| 1242½ | Ditto | | | |
| 27½ | | | | C. Panel No. 56 |

## No. 2 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1373 | Wt. of paint before use. | | | |
| 1345 | " | " | after use. | |
| 28 | " | " | applied to | W. P. Panel No. 57 |
| 1345 | | | | |
| 1319 | Ditto | | | |
| 26 | | | | Y. P. Panel No. 57 |
| 1319 | | | | |
| 1292 | Ditto | | | |
| 27 | | | | C. Panel No. 57 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1292 | | |
| 1265½ | Ditto | |
| 26½ | | W. P. Panel No. 58 |
| 1265½ | | |
| 1237 | Ditto | |
| 28½ | | Y. P. Panel No. 58 |
| 1237 | | |
| 1208 | Ditto | |
| 29 | | C. Panel No. 58 |

## No. 3 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1658 | Wt. of paint before use. | |
| 1625 | " " " after use. | |
| 33 | " " " applied to | W. P. Panel No. 59 |
| 1625 | | |
| 1593 | Ditto | |
| 32 | | Y. P. Panel No. 59 |
| 1593 | | |
| 1557 | Ditto | |
| 36 | | C. Panel No. 59 |
| 1557 | | |
| 1522 | Ditto | |
| 35 | | W. P. Panel No. 60 |
| 1522 | | |
| 1489½ | Ditto | |
| 32½ | | Y. P. Panel No. 60 |
| 1489½ | | |
| 1454 | Ditto | |
| 35½ | | C. Panel No. 60 |

## No. 4 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1504 | Wt. of paint before use. | | | |
| 1468 | " " " | after use. | | |
| 36½ | " " " | applied to | W. P. Panel No. 61 | |
| 1468 | | | | |
| 1431 | Ditto | | | |
| 37 | | | Y. P. Panel No. 61 | |
| 1431 | | | | |
| 1405 | Ditto | | | |
| 26 | | | C. Panel No. 61 | |
| 1405 | | | | |
| 1370 | Ditto | | | |
| 35 | | | W. P. Panel No. 62 | |
| 1370 | | | | |
| 1335 | Ditto | | | |
| 35 | | | Y. P. Panel No. 62 | |
| 1335 | | | | |
| 1304 | Ditto | | | |
| 31 | | | C. Panle No. 62 | |

## No. 5 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1285 | Wt. of paint before use. | | | |
| 1251 | " " " | after use. | | |
| 34 | " " " | applied to | W. P. Panel No. 63 | |
| 1251 | | | | |
| 1221 | Ditto | | | |
| 30 | | | Y. P. Panel No. 63 | |
| 1221 | | | | |
| 1195 | Ditto | | | |
| 26 | | | C. Panel No. 63 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1195 | | |
| 1165 | Ditto | |
| 30 | | W. P. Panel No. 64 |
| 1165 | | |
| 1133 | Ditto | |
| 32 | | Y. P. Panel No. 64 |
| 1133 | | |
| 1102 | Ditto | |
| 31 | | C. Panel No. 64 |

## No. 6 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1401 | Wt. of paint before use. | |
| 1370 | " " " after use. | |
| 31 | " " " applied to | W. P. Panel No. 65 |
| 1370 | | |
| 1344 | Ditto | |
| 26 | | Y. P. Panel No. 65 |
| 1344 | | |
| 1312 | Ditto | |
| 32 | | C. Panel No. 65 |
| 1312 | | |
| 1283 | Ditto | |
| 29 | | W. P. Panel No. 66 |
| 1283 | | |
| 1153½ | Ditto | |
| 29½ | | Y. P. Panel No. 66 |
| 1153½ | | |
| 1127 | Ditto | |
| 26½ | | C. Panel No. 66 |

## No. 7 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1558 | Wt. of paint | | before use. | |
| 1523 | " | " | after use. | |
| 35 | " | " | applied to | W. P. Panel No. 67 |
| 1523 | | | | |
| 1491½ | | Ditto | | |
| 21½ | | | | Y. P. Panel No. 67 |
| 1491½ | | | | |
| 1465½ | | Ditto | | |
| 26 | | | | C. Panel No. 67 |
| 1465½ | | | | |
| 1433½ | | Ditto | | |
| 32 | | | | W. P. Panel No. 68 |
| 1433½ | | | | |
| 1402½ | | Ditto | | |
| 31 | | | | Y. P. Panel No. 68 |
| 1402½ | | | | |
| 1373½ | | Ditto | | |
| 29 | | | | C. Panel No. 68 |

## No. 8 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1503 | Wt. of paint | | before use. | |
| 1467 | " | " | after use. | |
| 36 | " | " | applied to | W. P. Panel No. 69 |
| 1467 | | | | |
| 1429 | | Ditto | | |
| 38 | | | | Y. P. Panel No. 69 |
| 1429 | | | | |
| 1399 | | Ditto | | |
| 30 | | | | C. Panel No. 69 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1399 | | |
| 1366 | Ditto | |
| 33 | | W. P. Panel No. 70 |
| 1366 | | |
| 1332 | Ditto | |
| 34 | | Y. P. Panel No. 70 |
| 1332 | | |
| 1300 | Ditto | |
| 32 | | C. Panel No. 70 |

## No. 9 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1281 | Wt. of paint before use. | |
| 1251 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel No. 71 |
| 1251 | | |
| 1221 | Ditto | |
| 30 | | Y. P. Panel No. 71 |
| 1221 | | |
| 1195 | Ditto | |
| 26 | | C. Panel No. 71 |
| 1195 | | |
| 1164½ | Ditto | |
| 30½ | | W. P. Panel No. 72 |
| 1164½ | | |
| 1135½ | Ditto | |
| 28 | | Y. P. Panel No. 72 |
| 1135½ | | |
| 1110 | Ditto | |
| 25½ | | C. Panel No. 72 |

## No. 10 YELLOW PAINT.

### 2d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1404 | Wt. of paint before use. | |
| 1372 | " " " after use. | |
| 32 | " " " applied to | W. P. Panel No. 73 |
| 1372 | | |
| 1339½ | Ditto | |
| 32½ | | Y. P. Panel No. 73 |
| 1339½ | | |
| 1307 | Ditto | |
| 32½ | | C. Panel No. 73 |
| 1307 | | |
| 1274½ | Ditto | |
| 32½ | | W. P. Panel No. 74 |
| 1274½ | | |
| 1240 | Ditto | |
| 34½ | | Y. P. Panel No. 74 |
| 1240 | | |
| 1209 | Ditto | |
| 31 | | C. Panel No. 74 |

## No. 11 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1385 | Wt. of paint before use. | |
| 1356 | " " " after use. | |
| 29 | " " " applied to | W. P. Panel No. 75 |
| 1356 | | |
| 1321 | Ditto | |
| 35 | | Y. P. Panel No. 75 |
| 1321 | | |
| 1290½ | Ditto | |
| 30½ | | C. Panel No. 75 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1290½ | | |
| 1260 | Ditto | |
| 30½ | | W. P. Panel No. 76 |
| 1260 | | |
| 1224½ | Ditto | |
| 35½ | | Y. P. Panel No. 76 |
| 1224½ | | |
| 1193½ | Ditto | |
| 31 | | C. Panel No. 76 |

## No. 12 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1366 | Wt. of paint | | before use. | |
| 1330½ | " | " | after use. | |
| 35½ | " | " | applied to | W. P. Panel No. 77 |
| 1330½ | | | | |
| 1297 | Ditto | | | |
| 33½ | | | | Y. P. Panel No. 77 |
| 1297 | | | | |
| 1263½ | Ditto | | | |
| 33 | | | | C. Panel No. 77 |
| 1263½ | | | | |
| 1229 | Ditto | | | |
| 34½ | | | | W. P. Panel No. 78 |
| 1229 | | | | |
| 1195 | Ditto | | | |
| 34 | | | | Y. P. Panel No. 78 |
| 1195 | | | | |
| 1166 | Ditto | | | |
| 29 | | | | C. Panel No. 78 |

## No. 13 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1395 | Wt. of paint | | before use. | |
| 1360 | " | " | after use. | |
| 35 | " | " | applied to | W. P. Panel No. 79 |
| 1360 | | | | |
| 1329 | Ditto | | | |
| 31 | | | | Y. P. Panel No. 79 |
| 1329 | | | | |
| 1295 | Ditto | | | |
| 34 | | | | C. Panel No. 79 |
| 1295 | | | | |
| 1260 | Ditto | | | |
| 35 | | | | W. P. Panel No. 80 |
| 1260 | | | | |
| 1231 | Ditto | | | |
| 29 | | | | Y. P. Panel No. 80 |
| 1231 | | | | |
| 1197½ | Ditto | | | |
| 33½ | | | | C. Panel No. 80 |

## No. 14 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1284½ | Wt. of paint | | before use. | |
| 1251½ | " | " | after use. | |
| 33 | " | " | applied to | W. P. Panel No. 81 |
| 1251½ | | | | |
| 1215½ | Ditto | | | |
| 36 | | | | Y. P. Panel No. 81 |
| 1215½ | | | | |
| 1182 | Ditto | | | |
| 33½ | | | | C. Panel No. 81 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1182 | | |
| 1152 | Ditto | |
| 30 | | W. P. Panel No. 82 |
| 1152 | | |
| 1118 | Ditto | |
| 34 | | Y. P. Panel No. 82 |
| 1118 | | |
| 1087 | Ditto | |
| 31 | | C. Panel No. 82 |

## No. 15 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1533 | Wt. of paint before use. | |
| 1502 | " " " after use. | |
| 31 | " " " applied to | W. P. Panel No. 83 |
| 1502 | | |
| 1472 | Ditto | |
| 30 | | Y. P. Panel No. 83 |
| 1472 | | |
| 1444 | Ditto | |
| 28 | | C. Panel No. 83 |
| 1444 | | |
| 1413 | Ditto | |
| 31 | | W. P. Panel No. 84 |
| 1413 | | |
| 1382 | Ditto | |
| 31 | | Y. P. Panel No. 84 |
| 1382 | | |
| 1352 | Ditto | |
| 30 | | C. Panel No. 84 |

## No. 16 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1469½ | Wt. of paint | before use. | | |
| 1435 | " " " | after use. | | |
| 34½ | " " " | applied to | W. P. Panel No. 85 | |
| 1435 | | | | |
| 1401 | Ditto | | | |
| 34 | | | Y. P. Panel No. 85 | |
| 1401 | | | | |
| 1369 | Ditto | | | |
| 32 | | | C. Panel No. 85 | |
| 1369 | | | | |
| 1337 | Ditto | | | |
| 32 | | | W. P. Panel No. 86 | |
| 1337 | | | | |
| 1307 | Ditto | | | |
| 30 | | | Y. P. Panel No. 86 | |
| 1307 | | | | |
| 1273 | Ditto | | | |
| 34 | | | C. Panel No. 86 | |

## No. 17 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1471 | Wt. of paint | before use. | | |
| 1444 | " " " | after use. | | |
| 27 | " " " | applied to | W. P. Panel No. 87 | |
| 1444 | | | | |
| 1414 | Ditto | | | |
| 30 | | | Y. P. Panel No. 87 | |
| 1414 | | | | |
| 1386½ | Ditto | | | |
| 27½ | | | C. Panel No. 87 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1386½ | | |
| 1354 | Ditto | |
| 32½ | | W. P. Panel No. 88 |
| 1354 | | |
| 1324 | Ditto | |
| 30 | | Y. P. Panel No. 88 |
| 1324 | | |
| 1297 | Ditto | |
| 27 | | C. Panel No. 88 |

## No. 18 YELLOW PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1548 | Wt. of paint before use. | | |
| 1519 | " " " after use. | | |
| 29 | " " " | applied to | W. P. Panel No. 89 |
| 1519 | | | |
| 1487 | Ditto | | |
| 32 | | | Y. P. Panel No. 89 |
| 1487 | | | |
| 1454 | Ditto | | |
| 33 | | | C. Panel No. 89 |
| 1454 | | | |
| 1425 | Ditto | | |
| 29 | | | W. P. Panel No. 90 |
| 1425 | | | |
| 1395 | Ditto | | |
| 30 | | | Y. P. Panel No. 90 |
| 1395 | | | |
| 1360 | Ditto | | |
| 35 | | | C. Panel No. 90 |

## No. 19 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1559 | Wt. of paint | | before use. | |
| 1524 | " | " | after use. | |
| 35 | " | " | applied to | W. P. Panel No. 91 |
| 1524 | | | | |
| 1493 | | Ditto | | |
| 31 | | | | Y. P. Panel No. 91 |
| 1493 | | | | |
| 1464 | | Ditto | | |
| 29 | | | | C. Panel No. 91 |
| 1464 | | | | |
| 1432 | | Ditto | | |
| 32 | | | | W. P. Panel No. 92 |
| 1432 | | | | |
| 1396 | | Ditto | | |
| 36 | | | | Y. P. Panel No. 92 |
| 1396 | | | | |
| 1366 | | Ditto | | |
| 30 | | | | C. Panel No. 92 |

## No. 20 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1470 | Wt. of paint | | before use. | |
| 1435 | " | " | after use. | |
| 35 | " | " | applied to | W. P. Panel No. 93 |
| 1435 | | | | |
| 1402 | | Ditto | | |
| 33 | | | | Y. P. Panel No. 93 |
| 1402 | | | | |
| 1369 | | Ditto | | |
| 33 | | | | C. Panel No. 93 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1369 | | |
| 1338 | Ditto | |
| 31 | | W. P. Panel No. 94 |
| 1338 | | |
| 1308 | Ditto | |
| 30 | | Y. P. Panel No. 94 |
| 1308 | | |
| 1275 | Ditto | |
| 33 | | C. Panel No. 94 |

## No. 21 YELLOW PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1339 | Wt. of paint before use. | |
| 1314 | " " " after use. | |
| 25 | " " " applied to | W. P. Panel No. 95 |
| 1314 | | |
| 1287 | Ditto | |
| 27 | | Y. P. Panel No. 95 |
| 1287 | | |
| 1262 | Ditto | |
| 25 | | C. Panel No. 95 |
| 1262 | | |
| 1236 | Ditto | |
| 26 | | W. P. Panel No. 96 |
| 1236 | | |
| 1213 | Ditto | |
| 23 | | Y. P. Panel No. 96 |
| 1213 | | |
| 1191 | Ditto | |
| 22 | | C. Panel No. 96 |

## No. 22 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1384 | Wt. of paint | | before use. | |
| 1353½ | " | " | after use. | |
| 30½ | " | " | applied to | W. P. Panel No. 97 |
| 1353½ | | | | |
| 1321 | | Ditto | | |
| 32½ | | | | Y. P. Panel No. 97 |
| 1321 | | | | |
| 1293 | | Ditto | | |
| 28 | | | | C. Panel No. 97 |
| 1293 | | | | |
| 1261 | | Ditto | | |
| 32 | | | | W. P. Panel No. 98 |
| 1261 | | | | |
| 1230 | | Ditto | | |
| 31 | | | | Y. P. Panel No. 98 |
| 1230 | | | | |
| 1200 | | Ditto | | |
| 30 | | | | C. Panel No. 98 |

## No. 23 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1361 | Wt. of paint | | before use. | |
| 1332 | " | " | after use. | |
| 29 | " | " | applied to | W. P. Panel No. 99 |
| 1332 | | | | |
| 1304 | | Ditto | | |
| 28 | | | | Y. P. Panel No. 99 |
| 1304 | | | | |
| 1277 | | Ditto | | |
| 27 | | | | C. Panel No. 99 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1277 | | |
| 1250 | Ditto | |
| 27 | | W. P. Panel No. 100 |
| 1250 | | |
| 1216 | Ditto | |
| 34 | | Y. P. Panel No. 100 |
| 1216 | | |
| 1186 | Ditto | |
| 30 | | C. Panel No. 100 |

## No. 24 YELLOW PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1331 | Wt. of paint before use. | | |
| 1300 | " " " | after use. | |
| 31 | " " " | applied to | W. P. Panel No. 101 |
| 1300 | | | |
| 1272 | Ditto | | |
| 28 | | | Y. P. Panel No. 101 |
| 1272 | | | |
| 1244 | Ditto | | |
| 28 | | | C. Panel No. 101 |
| 1244 | | | |
| 1113 | Ditto | | |
| 31 | | | W. P. Panel No. 102 |
| 1125 | | | |
| 1102 | Ditto | | |
| 23 | | | Y. P. Panel No. 102 |
| 1102 | | | |
| 1078 | Ditto | | |
| 24 | | | C. Panel No. 102 |

## No. 25 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1404 | Wt. of paint | | before use. | |
| 1371 | " | " | after use. | |
| 33 | " | " | applied to | W. P. Panel No. 103 |
| 1371 | | | | |
| 1336 | | Ditto | | |
| 35 | | | | Y. P. Panel No. 1( |
| 1336 | | | | |
| 1303 | | Ditto | | |
| 33 | | | | C. Panel No. 103 |
| 1303 | | | | |
| 1272 | | Ditto | | |
| 31 | | | | W. P. Panel No. 104 |
| 1272 | | | | |
| 1240 | | Ditto | | |
| 32 | | | | Y. P. Panel No. 104 |
| 1240 | | | | |
| 1209½ | | Ditto | | |
| 30½ | | | | C. Panel No. 104 |

## No. 26 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1446 | Wt. of paint | | before use. | |
| 1415 | " | " | after use. | |
| 31 | " | " | applied to | W. P. Panel No. 105 |
| 1415 | | | | |
| 1382 | | Ditto | | |
| 33 | | | | Y. P. Panel No. 105 |
| 1382 | | | | |
| 1352 | | Ditto | | |
| 30 | | | | C. Panel No. 105 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1352 | | |
| 1317 | Ditto | |
| 35 | | W. P. Panel No. 106 |
| 1317 | | |
| 1285 | Ditto | |
| 32 | | Y. P. Panel No. 106 |
| 1285 | | |
| 1255 | Ditto | |
| 30 | | C. Panel No. 106 |

## No. 27 YELLOW PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1337 | Wt. of paint | | before use. | |
| 1307 | " | " | after use. | |
| 30 | " | " | applied to | W. P. Panel No. 107 |
| 1307 | | | | |
| 1275 | Ditto | | | |
| 32 | | | | Y. P. Panel No. 107 |
| 1275 | | | | |
| 1246 | Ditto | | | |
| 29 | | | | C. Panel No. 107 |
| 1246 | | | | |
| 1214 | Ditto | | | |
| 32 | | | | W. P. Panel No. 108 |
| 1214 | | | | |
| 1184 | Ditto | | | |
| 30 | | | | Y. P. Panel No. 108 |
| 1184 | | | | |
| 1154 | Ditto | | | |
| 30 | | | | C. Panel No. 108 |

## No. 28 YELLOW PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1356 | Wt. of paint | | before use. | |
| 1325 | " | " | after use. | |
| 31 | " | " | applied to | W. P. Panel No. 109 |
| 1325 | | | | |
| 1290 | Ditto | | | |
| 35 | | | | Y. P. Panel No. 109 |
| 1290 | | | | |
| 1260 | Ditto | | | |
| 30 | | | | C. Panel No. 109 |

# Yellow Paint
# Third Coat

## No. 1 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2123 | Wt. of paint before use. | | |
| 2097 | " " " | after use. | |
| 26 | " " " | applied to | W. P. Panel No. 55 |
| 2097 | | | |
| 2064 | Ditto | | |
| 33 | | | Y. P. Panel No. 55 |
| 2064 | | | |
| 2037 | Ditto | | |
| 27 | | | C. Panel No. 55 |
| 2037 | | | |
| 2005 | Ditto | | |
| 32 | | | W. P. Panel No. 56 |
| 2005 | | | |
| 1973 | Ditto | | |
| 32 | | | Y. P. Panel No. 56 |
| 1973 | | | |
| 1940 | Ditto | | |
| 33 | | | C. Panel No. 56 |

## No. 2 YELLOW PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2192 | Wt. of paint before use. | | |
| 2163 | " " " | after use. | |
| 29 | " " " | applied to | W. P. Panel No. 57 |
| 2163 | | | |
| 2131 | Ditto | | |
| 32 | | | Y. P. Panel No. 57 |
| 2131 | | | |
| 2103 | Ditto | | |
| 28 | | | C. Panel No. 57 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2103 | | |
| 2069 | Ditto | |
| 34 | | W. P. Panel No. 58 |
| 2069 | | |
| 2030 | Ditto | |
| 39 | | Y. P. Panel No. 58 |
| 2030 | | |
| 1993 | Ditto | |
| 37 | | C. Panel No. 58 |

## No. 3 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2546 | Wt. of paint before use. | |
| 2506 | " " " after use. | |
| 40 | " " " applied to | W. P. Panel No. 59 |
| 2506 | | |
| 2469 | Ditto | |
| 37 | | Y. P. Panel No. 59 |
| 2469 | | |
| 2430 | Ditto | |
| 39 | | C. Panel No. 59 |
| 2430 | | |
| 2391 | Ditto | |
| 39 | | W. P. Panel No. 60 |
| 2391 | | |
| 2353 | Ditto | |
| 38 | | Y. P. Panel No. 60 |
| 2353 | | |
| 2313 | Ditto | |
| 40 | | C. Panel No. 60 |

## No. 4 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2370 | Wt. of paint | before use. | |
| 2333 | " " " | after use. | |
| 37 | " " " | applied to | W. P. Panel No. 61 |
| 2333 | | | |
| 2293 | Ditto | | |
| 40 | | | Y. P. Panel No. 61 |
| 2293 | | | |
| 2255 | Ditto | | |
| 38 | | | C. Panel No. 61 |
| 2255 | | | |
| 2216 | Ditto | | |
| 39 | | | W. P. Panel No. 62 |
| 2216 | | | |
| 2177 | Ditto | | |
| 39 | | | Y. P. Panel No. 62 |
| 2177 | | | |
| 2137 | Ditto | | |
| 40 | | | C. Panel No. 62 |

## No. 5 YELLOW PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 1992 | Wt. of paint | before use. | |
| 1958 | " " " | after use. | |
| 34 | " " " | applied to | W. P. Panel No. 63 |
| 1958 | | | |
| 1928 | Ditto | | |
| 30 | | | Y. P. Panel No. 63 |
| 1928 | | | |
| 1891 | Ditto | | |
| 37 | | | C. Panel No. 63 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1891 | | |
| 1856 | Ditto | |
| 35 | | W. P. Panel No. 64 |
| 1856 | | |
| 1824 | Ditto | |
| 32 | | Y. P. Panel No. 64 |
| 1824 | | |
| 1794 | Ditto | |
| 30 | | C. Panel No. 64 |

## No. 6 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2140 | Wt. of paint before use. | |
| 2108 | " " " after use. | |
| 32 | " " " applied to | W. P. Panel No. 65 |
| 2108 | | |
| 2074 | Ditto | |
| 34 | | Y. P. Panel No. 65 |
| 2074 | | |
| 2040 | Ditto | |
| 34 | | C. Panel No. 65 |
| 2040 | | |
| 2005 | Ditto | |
| 35 | | W. P. Panel No. 66 |
| 2005 | | |
| 1972 | Ditto | |
| 33 | | Y. P. Panel No. 66 |
| 1972 | | |
| 1938 | Ditto | |
| 34 | | C. Panel No. 66 |

## No. 7 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2309 | Wt. of paint | | before use. | |
| 2275 | " | " | after use. | |
| 34 | " | " | applied to | W. P. Panel No. 67 |
| 2275 | | | | |
| 2247 | | Ditto | | |
| 28 | | | | Y. P. Panel No. 67 |
| 2247 | | | | |
| 2215 | | Ditto | | |
| 32 | | | | C. Panel No. 67 |
| 2215 | | | | |
| 2183 | | Ditto | | |
| 32 | | | | W. P. Panel No. 68 |
| 2183 | | | | |
| 2151 | | Ditto | | |
| 32 | | | | Y. P. Panel No. 68 |
| 2151 | | | | |
| 2119½ | | Ditto | | |
| 31½ | | | | C. Panel No. 68 |

## No. 8 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2211 | Wt. of paint | | before use. | |
| 2178 | | Ditto | | |
| 33 | | | | W. P. Panel No. 69 |
| 2178 | | | | |
| 2150 | | Ditto | | |
| 28 | | | | Y. P. Panel No. 69 |
| 2150 | | | | |
| 2115 | | Ditto | | |
| 35 | | | | C. Panel No. 69 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2115 | | |
| 2084 | Ditto | |
| 31 | | W. P. Panel No. 70 |
| 2084 | | |
| 2050 | Ditto | |
| 34 | | Y. P. Panel No. 70 |
| 2050 | | |
| 2018 | Ditto | |
| 32 | | C. Panel No. 70 |

## No. 9 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 1953 | Wt. of paint before use. | |
| 1930 | " " " after use. | |
| 23 | " " " applied to | W. P. Panel No. 71 |
| 1930 | | |
| 1901 | Ditto | |
| 29 | | Y. P. Panel No. 71 |
| 1472½ | | |
| 1447½ | Ditto | |
| 25 | | C. Panel No. 71 |
| 1901 | | |
| 1874 | Ditto | |
| 27 | | W. P. Panel No. 72 |
| 1874 | | |
| 1851 | Ditto | |
| 23 | | Y. P. Panel No. 72 |
| 1851 | | |
| 1826 | Ditto | |
| 23 | | C. Panel No. 72 |

## No. 10 YELLOW PAINT.

### 3rd Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2169 | Wt. of paint before use. | | | |
| 2139 | " | " | after use. | |
| 30 | " | " | applied to | W. P. Panel No. 73 |
| 2130 | | | | |
| 2109 | Ditto | | | |
| 31 | | | | Y. P. Panel No. 73 |
| 2109 | | | | |
| 2075 | Ditto | | | |
| 34 | | | | C. Panel No. 73 |
| 2075 | | | | |
| 2044 | Ditto | | | |
| 31 | | | | W. P. Panel No. 74 |
| 2044 | | | | |
| 2011 | Ditto | | | |
| 33 | | | | Y. P. Panel No. 74 |
| 2011 | | | | |
| 1984 | Ditto | | | |
| 27 | | | | C. Panel No. 74 |

## No. 11 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2204 | Wt. of paint before use. | | | |
| 2174 | " | " | after use. | |
| 30 | " | " | applied to | W. P. Panel No. 75 |
| 2174 | | | | |
| 2144 | Ditto | | | |
| 30 | | | | Y. P. Panel No. 75 |
| 2144 | | | | |
| 2112 | Ditto | | | |
| 32 | | | | C. Panel No. 75 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2112 | | |
| 2079 | Ditto | |
| 33 | | W. P. Panel No. 76 |
| 2079 | | |
| 2047 | Ditto | |
| 32 | | Y. P. Panel No. 76 |
| 2047 | | |
| 2018 | Ditto | |
| 29 | | C. Panel No. 76 |

## No. 12 YELLOW PAINT

### 3d Coat.

| | | | |
|---|---|---|---|
| 2181 | Wt. of paint | before use. | |
| 2149 | " " " | after use. | |
| 32 | " " " | applied to | W. P. Panel No. 77 |
| 2149 | | | |
| 2119 | Ditto | | |
| 30 | | | Y. P. Panel No. 77 |
| 2119 | | | |
| 2087 | Ditto | | |
| 32 | | | C. Panel No. 77 |
| 2087 | | | |
| 2056 | Ditto | | |
| 31 | | | W. P. Panel No. 78 |
| 2056 | | | |
| 2022 | Ditto | | |
| 34 | | | Y. P. Panel No. 78 |
| 2022 | | | |
| 1989 | Ditto | | |
| 33 | | | C. Panel No. 78 |

## No. 13 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2186 | Wt. of paint before use. | | | |
| 2162 | " " " | after use. | | |
| 24 | " " " | applied to | W. P. Panel No. 79 | |
| 2162 | | | | |
| 2137 | Ditto | | | |
| 25 | | | Y. P. Panel No. 79 | |
| 2137 | | | | |
| 2115 | Ditto | | | |
| 22 | | | C. Panel No. 79 | |
| 2115 | | | | |
| 2090 | Ditto | | | |
| 25 | | | W. P. Panel No. 80 | |
| 2090 | | | | |
| 2065 | Ditto | | | |
| 25 | | | Y. P. Panel No. 80 | |
| 2065 | | | | |
| 2040 | Ditto | | | |
| 25 | | | C. Panel No. 80 | |

## No. 14 YELLOW PAINT.

### 3d Coat

| | | | | |
|---|---|---|---|---|
| 2032 | Wt. of paint before use. | | | |
| 1998 | " " " | after use. | | |
| 34 | " " " | applied to | W. P. Panel No. 81 | |
| 1998 | | | | |
| 1964 | Ditto | | | |
| 34 | | | Y. P. Panel No. 81 | |
| 1964 | | | | |
| 1934 | Ditto | | | |
| 30 | | | C. Panel No. 81 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1934 | | |
| 1902 | Ditto | |
| 32 | | W. P. Panel No. 82 |
| 1902 | | |
| 1872 | Ditto | |
| 30 | | Y P. Panel No. 82 |
| 1872 | | |
| 1842 | Ditto | |
| 30 | | C. Panel No. 82 |

## No. 15 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2272 | Wt. of paint before use. | |
| 2242 | " " " after use. | |
| 30 | " " " applied | W. P. Panel No. 83 |
| 2242 | | |
| 2212 | Ditto | |
| 30 | | Y. P. Panel No. 83 |
| 2212 | | |
| 2182 | Ditto | |
| 30 | | C. Panel No. 83 |
| 2182 | | |
| 2150 | Ditto | |
| 32 | | W. P. Panel No. 84 |
| 2150 | | |
| 2119 | Ditto | |
| 31 | | Y. P. Panel No. 84 |
| 2119 | | |
| 2089 | Ditto | |
| 30 | | C. Panel No. 84 |

## No. 16 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2322 | Wt. of paint | | before use. | |
| 2287 | " | " | after use. | |
| 35 | " | " | applied to | W. P. Panel No. 85 |
| 2287 | | | | |
| 2250 | Ditto | | | |
| 37 | | | | Y. P. Panel No. 85 |
| 2250 | | | | |
| 2217 | Ditto | | | |
| 33 | | | | C. Panel No. 85 |
| 2217 | | | | |
| 2179 | Ditto | | | |
| 38 | | | | W. P. Panel No. 86 |
| 2179 | | | | |
| 2141 | Ditto | | | |
| 38 | | | | Y. P. Panel No. 86 |
| 2141 | | | | |
| 2105 | Ditto | | | |
| 36 | | | | C. Panel No. 86 |

## No. 17 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2265 | Wt. of paint | | before use. | |
| 2236 | " | " | after use. | |
| 31 | " | " | applied to | W. P. Panel No. 87 |
| 2236 | | | | |
| 2207 | Ditto | | | |
| 29 | | | | Y. P. Panel No. 87 |
| 2207 | | | | |
| 2179 | Ditto | | | |
| 28 | | | | C. Panel No. 87 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2179 | | |
| 2147 | Ditto | |
| 32 | | W. P. Panel No. 88 |
| 2147 | | |
| 2118 | Ditto | |
| 29 | | Y. P. Panel No. 88 |
| 2118 | | |
| 2091 | Ditto | |
| 27 | | C. Panel No. 88 |

## No. 18 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2401 | Wt. of paint before use. | |
| 2371 | " " after use. | |
| 30 | " " " applied to | W. P. Panel No. 89 |
| 2371 | | |
| 2344 | Ditto | |
| 27 | | Y. P. Panel No. 89 |
| 2344 | | |
| 2314 | Ditto | |
| 30 | | C. Panel No. 89 |
| 2314 | | |
| 2284 | Ditto | |
| 30 | | W. P. Panel No. 90 |
| 2284 | | |
| 2254 | Ditto | |
| 30 | | Y. P. Panel No. 90 |
| 2254 | | |
| 2224 | Ditto | |
| 30 | | C. Panel No. 90 |

## No. 19 YELLOW PAINT.

### 3d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2376 | Wt of paint before use. | |
| 2340 | " " " after use. | |
| 36 | " " " applied to | W. P. Panel No. 91 |
| 2340 | | |
| 2309 | Ditto | |
| 31 | | Y. P. Panel No. 91 |
| 2309 | | |
| 2279 | Ditto | |
| 30 | | C. Panel No. 91 |
| 2279 | | |
| 2246 | Ditto | |
| 33 | | W. P. Panel No. 92 |
| 2246 | | |
| 2220 | Ditto | |
| 26 | | Y. P. Panel No. 92 |
| 2220 | | |
| 2188 | Ditto | |
| 32 | | C. Panel No. 92 |

## No. 20 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2254 | Wt. of paint before use. | |
| 2222 | " " " after use. | |
| 32 | " " " applied to | W. P. Panel No. 93 |
| 2222 | | |
| 2189 | Ditto | |
| 33 | | Y. P. Panel No. 93 |
| 2189 | | |
| 2154 | Ditto | |
| 35 | | C. Panel No. 93 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2154 | | | | |
| 2125 | Ditto | | | |
| 29 | | | | W. P. Panel No. 94 |
| 2125 | | | | |
| 2092 | Ditto | | | |
| 33 | | | | Y. P. Panel No. 94 |
| 2092 | | | | |
| 2062 | Ditto | | | |
| 30 | | | | C. Panel No. 94 |

## No. 21 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1970 | Wt. of paint | | before use. | |
| 1942 | " | " | after use. | |
| 28 | " | " | applied to | W. P. Panel No. 95 |
| 1942 | | | | |
| 1914 | Ditto | | | |
| 28 | | | | Y. P. Panel No. 95 |
| 1914 | | | | |
| 1885 | Ditto | | | |
| 29 | | | | C. Panel No. 95 |
| 1885 | | | | |
| 1857 | Ditto | | | |
| 28 | | | | W. P. Panel No. 96 |
| 1857 | | | | |
| 1832 | Ditto | | | |
| 25 | | | | Y. P. Panel No. 96 |
| 1832 | | | | |
| 1807 | Ditto | | | |
| 25 | | | | C. Panel No. 96 |

## No. 22 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2105 | Wt. of paint | before use. | | |
| 2077 | " " " | after use. | | |
| 28 | " " " | applied to | W. P. Panel No. 97 | |
| 2077 | | | | |
| 2050 | Ditto | | | |
| 27 | | | Y. P. Panel No. 97 | |
| 2050 | | | | |
| 2023 | Ditto | | | |
| 27 | | | C. Panel No. 97 | |
| 2023 | | | | |
| 1997 | Ditto | | | |
| 26 | | | W. P. Panel No. 98 | |
| 1997 | | | | |
| 1969 | Ditto | | | |
| 28 | | | Y. P. Panel No. 98 | |
| 1969 | | | | |
| 1940 | Ditto | | | |
| 29 | | | C. Panel No. 98 | |

## No. 23 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2049 | Wt. of paint | before use. | | |
| 2017 | " " " | after use. | | |
| 32 | " " " | applied to | W. P. Panel No. 99 | |
| 2017 | | | | |
| 1987 | Ditto | | | |
| 30 | | | Y. P. Panel No. 99 | |
| 1987 | | | | |
| 1958 | Ditto | | | |
| 29 | | | C. Panel No. 99 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1958 | | |
| 1928 | Ditto | |
| 30 | | W. P. Panel No. 100 |
| 1928 | | |
| 1897 | Ditto | |
| 31 | | Y. P. Panel No. 100 |
| 1897 | | |
| 1865 | Ditto | |
| 32 | | C. Panel No. 100 |

## No. 24 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2109 | Wt. of paint before use. | |
| 2077 | " " " after use. | |
| 32 | " " " applied to | W. P. Panel No. 101 |
| 2077 | | |
| 2052 | Ditto | |
| 25 | | Y. P. Panel No. 101 |
| 2052 | | |
| 2024 | Ditto | |
| 28 | | C. Panel No. 101 |
| 2024 | | |
| 1991 | Ditto | |
| 33 | | W. P. Panel No. 102 |
| 1991 | | |
| 1960 | Ditto | |
| 31 | | Y. P. Panel No. 102 |
| 1960 | | |
| 1927 | Ditto | |
| 33 | | C. Panel No. 102 |

## No. 25 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2023 | Wt. of paint before use. | | | |
| 1987 | " | " | after use. | |
| 36 | " | " | applied to | W. P. Panel No. 103 |
| 1987 | | | | |
| 1948 | Ditto | | | |
| 39 | | | | Y. P. Panel No. 103 |
| 1948 | | | | |
| 1913 | Ditto | | | |
| 35 | | | | C. Panel No. 103 |
| 1913 | | | | |
| 1882 | Ditto | | | |
| 31 | | | | W. P. Panel No. 104 |
| 1882 | | | | |
| 1850 | Ditto | | | |
| 32 | | | | Y. P. Panel No. 104 |
| 1850 | | | | |
| 1821 | Ditto | | | |
| 29 | | | | C. Panel No. 104 |

## No. 26 YELLOW PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2089 | Wt. of paint before use. | | | |
| 2050 | " | " | after use. | |
| 39 | " | " | applied to | W. P. Panel No. 105 |
| 2050 | | | | |
| 2019 | Ditto | | | |
| 31 | | | | Y. P. Panel No. 105 |
| 2019 | | | | |
| 1983 | Ditto | | | |
| 36 | | | | C. Panel No. 105 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1983 | | |
| 1949 | Ditto | |
| 34 | | W. P. Panel No. 106 |
| 1949 | | |
| 1914 | Ditto | |
| 35 | | Y. P. Panel No. 106 |
| 1914 | | |
| 1880 | Ditto | |
| 34 | | C. Panel No. 106 |

## No. 27 YELLOW PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2076 | Wt. of paint before use. | |
| 2042 | " " " after use. | |
| 34 | " " " applied to | W. P. Panel No. 107 |
| 2042 | | |
| 2012 | Ditto | |
| 30 | | Y. P. Panel No. 107 |
| 2012 | | |
| 1983 | Ditto | |
| 29 | | C. Panel No. 107 |
| 1983 | | |
| 1955 | Ditto | |
| 28 | | W. P. Panel No. 108 |
| 1955 | | |
| 1931 | Ditto | |
| 24 | | Y. P. Panel No. 108 |
| 1931 | | |
| 1906½ | Ditto | |
| 24½ | | C. Panel No. 108 |

## No. 28 YELLOW PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2039 | Wt. of paint before use. | | | |
| 2007 | " | " | after use. | |
| 32 | " | " | applied to | W. P. Panel No. 109 |
| 2007 | | | | |
| 1973 | | Ditto | | |
| 34 | | | | Y. P. Panel No. 109 |
| 1973 | | | | |
| 1939½ | | Ditto | | |
| 33½ | | | | C. Panel No. 109 |

Gray Paint
First Coat

## No. 1 GRAY PAINT.

### 1st Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1715½ | Wt. of paint as receiced. | | | | |
| 1531½ | " | " | " | before use. | |
| 1478 | " | " | " | after use. | |
| 53½ | " | " | " | applied to | W. P. Panel No. 110 |
| 1478 | | | | | |
| 1426 | | Ditto | | | |
| 52 | | | | | Y. P. Panel No. 110 |
| 1426 | | | | | |
| 1381 | | Ditto | | | |
| 45 | | | | | C. Panel No. 110 |
| 1381 | | | | | |
| 1340 | | Ditto | | | |
| 41 | | | | | W. P. Panel No. 111 |
| 1340 | | | | | |
| 1295 | | Ditto | | | |
| 45 | | | | | Y. P. Panel No. 111 |
| 1295 | | | | | |
| 1257 | | Ditto | | | |
| 38 | | | | | C. Panel No. 111 |

## No. 2 GRAY PAINT.

### 1st Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1838½ | Wt. of ¼ gal. paint as received. | | | | |
| 1639 | " | " | paint before use. | | |
| 1598 | " | " | " | after use. | |
| 41 | " | " | " | applied to | W. P. Panel No. 112 |
| 1598 | | | | | |
| 1556½ | | Ditto | | | |
| 41½ | | | | | Y. P. Panel No. 112 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1556½ | | |
| 1518 | Ditto | |
| 48½ | | C. Panel No. 112 |
| 1518 | | |
| 1473 | Ditto | |
| 45 | | W. P. Panel No. 113 |
| 1473 | | |
| 1429 | Ditto | |
| 44 | | Y. P. Panel No. 113 |
| 1429 | | |
| 1390½ | Ditto | |
| 38½ | | C. Panel No. 113 |

## No. 3 GRAY PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1778 | Wt. of ¼ gal. paint as received. | | | |
| 1717½ | " | " | paint before use. | |
| 1660 | " | " | " after use. | |
| 57½ | " | " | " applied to | W. P. Panel No. 114 |
| 1660 | | | | |
| 1615 | Ditto | | | |
| 55 | | | | Y. P. Panel No. 114 |
| 1615 | | | | |
| 1574 | Ditto | | | |
| 41 | | | | C. Panel No. 114 |
| 1574 | | | | |
| 1526 | Ditto | | | |
| 48 | | | | W. P. Panel No. 115 |
| 1526 | | | | |
| 1480 | Ditto | | | |
| 46 | | | | Y. P. Panel No. 115 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1480 | | |
| 1438 | Ditto | |
| 42 | | C. Panel No. 115 |

## No. 4 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 2068 | Wt. of ¼ gal. paint as received. | |
| 1818½ | " " paint before use. | |
| 1765 | " " " after use. | |
| 53½ | " " " applied to | W. P. Panel No. 116 |
| 1765 | | |
| 1719 | Ditto | |
| 46 | | Y. P. Panel No. 116 |
| 1719 | | |
| 1680 | Ditto | |
| 39 | | C. Panel No. 116 |
| 1680 | | |
| 1628½ | Ditto | |
| 51½ | | W. P. Panel No. 117 |
| 1628½ | | |
| 1584 | Ditto | |
| 44½ | | Y. P. Panel No. 117 |
| 1584 | | |
| 1538 | Ditto | |
| 46 | | C. Panel No. 117 |

## No. 5 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1677 | Wt. of ¼ gallon paint as received. | |
| 1634 | " " paint before use. | |
| 1583½ | " " " after use. | |
| 50½ | " " " applied to | W. P. Panel No. 118 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1583½ | | |
| 1537 | Ditto | |
| 46½ | | Y. P. Panel No. 118 |
| 1537 | | |
| 1497 | Ditto | |
| 40 | | C. Panel No. 118 |
| 1497 | | |
| 1454 | Ditto | |
| 43 | | W. P. Panel No. 119 |
| 1454 | | |
| 1416 | Ditto | |
| 38 | | Y. P. Panel No. 119 |
| 1416 | | |
| 1378 | Ditto | |
| 38 | | C. Panel No. 119 |

## No. 6 GRAY PAINT.

### 1st Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1802 | Wt. of ¼ gal. paint as received. | | | | |
| 1658 | " | " | paint before use. | | |
| 1611½ | " | " | " after use. | | |
| 46½ | " | " | " applied to | | W. P. Panel No. 120 |
| 1611½ | | | | | |
| 1570 | Ditto | | | | |
| 41½ | | | | | Y. P. Panel No. 120 |
| 1570 | | | | | |
| 1534 | Ditto | | | | |
| 46 | | | | | C. Panel No. 120 |
| 1534 | | | | | |
| 1484½ | Ditto | | | | |
| 50½ | | | | | W. P. Panel No. 121 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1484½ | | |
| 1444 | Ditto | |
| 40½ | | Y. P. Panel No. 121 |
| 1444 | | |
| 1399½ | Ditto | |
| 44½ | | C. Panel No. 121 |

## No. 7 GRAY PAINT.

### 1st Coat.

| | | | |
|---|---|---|---|
| 1834½ | Wt. of paint as received. | | |
| 1650 | " " " | before use. | |
| 1600 | " " " | after use. | |
| 50 | " " " | applied to | W. P. Panel No. 122 |
| 1600 | | | |
| 1548 | Ditto | | |
| 52 | | | Y. P. Panel No. 122 |
| 1548 | | | |
| 1506 | Ditto | | |
| 42 | | | C. Panel No. 122 |
| 1506 | | | |
| 1458 | Ditto | | |
| 48 | | | W. P. Panel No. 123 |
| 1458 | | | |
| 1406 | Ditto | | |
| 52 | | | Y. P. Panel No. 123 |
| 1406 | | | |
| 1370 | Ditto | | |
| 36 | | | C. Panel No. 123 |

## No. 8 GRAY PAINT.

### 1st Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1726 | Wt. of ¼ gal. paint as received. | | | | |
| 1717 | " | " | paint before use. | | |
| 1674 | " | " | after use. | | |
| 43 | " | " | " applied to | W. P. Panel No. 124 | |
| 1674 | | | | | |
| 1632 | | Ditto. | | | |
| 42 | | | | Y. P. Panel No. 124 | |
| 1632 | | | | | |
| 1596½ | | Ditto. | | | |
| 35½ | | | | C. Panel No. 124 | |
| 1596½ | | | | | |
| 1558 | | Ditto | | | |
| 38½ | | | | W. P. Panel No. 125 | |
| 1558 | | | | | |
| 1516½ | | Ditto | | | |
| 41½ | | | | Y. P. Panel No. 125 | |
| 1516½ | | | | | |
| 1475½ | | Ditto | | | |
| 41½ | | | | C. Panel No. 125 | |

## No. 9 GRAY PAINT.

### 1st Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1501 | Wt. of ¼ gal. paint as received. | | | | |
| 1480 | " | " | paint before use. | | |
| 1438 | " | " | " after use. | | |
| 42 | " | " | " applied to | W. P. Panel No. 126 | |
| 1438 | | | | | |
| 1396 | | Ditto | | | |
| 42 | | | | Y. P. Panel No. 126 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1396 | | |
| 1368 | Ditto | |
| 28 | | C. Panel No. 126 |
| 1368 | | |
| 1318 | Ditto | |
| 20 | | W. P. Panel No. 127 |
| 1318 | | |
| 1278 | Ditto | |
| 30 | | Y. P. Panel No. 127 |
| 1278 | | |
| 1242 | Ditto. | |
| 36 | | C. Panel No. 127 |

## No. 10 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1865 | Wt. of ¼ gal. paint as received. | |
| 1673 | " " paint before use. | |
| 1622 | " " " after use. | |
| 51 | " " " applied to | W. P. Panel No. 128 |
| 1622 | | |
| 1570 | Ditto | |
| 52 | | Y. P. Panel No. 128 |
| 1570 | | |
| 1528 | Ditto | |
| 42 | | C. Panel No. 128 |
| 1528 | | |
| 1482 | iDtto | |
| 46 | | W. P. Panel No. 129 |
| 1482 | | |
| 1434 | Ditto | |
| 48 | | Y. P. Panel No. 129 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1434 | | |
| 1395 | Ditto | |
| 39 | | C. Panel No. 129 |

## No. 11 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1828 | Wt. of ¼ gal. paint as received. | |
| 1644 | " " paint before use. | |
| 1594½ | " " " after use. | |
| 39½ | " " " applied to | W. P. Panel No. 130 |
| 1594½ | | |
| 1549 | Ditto | |
| 55½ | | Y. P. Panel No. 130 |
| 1549 | | |
| 1511 | Ditto | |
| 38 | | C. Panel No. 130 |
| 1511 | | |
| 1463½ | Ditto | |
| 47½ | | W. P. Panel No. 131 |
| 1463½ | | |
| 1417½ | Ditto | |
| 46 | | Y. P. Panel No. 131 |
| 1417½ | | |
| 1376 | Ditto | |
| 41½ | | C. Panel No. 131 |

## No. 12 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1803 | Wt. of ¼ gal. paint as received. | |
| 1692½ | " " paint before use. | |
| 1640 | " " " after use. | |
| 52½ | " " " applied to | W. P. Panel No. 132 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1640 | | |
| 1595 | Ditto | |
| 45 | | Y. P. Panel No. 132 |
| 1595 | | |
| 1558 | Ditto | |
| 37 | | C. Panel No. 132 |
| 1558 | | |
| 1505 | Ditto | |
| 53 | | W. P. Panel No. 132 |
| 1505 | | |
| 1472 | Ditto | |
| 33 | | Y. P. Panel No. 133 |
| 1472 | | |
| 1430½ | Ditto | |
| 41½ | | C. Panel No. 133 |

## No. 13 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1677 | Wt. of ¼ gal. paint as received. | |
| 1501 | " " paint before use. | |
| 1453 | " " " after use. | |
| 48 | " " " applied to | W. P. Panel No. 134 |
| 1453 | | |
| 1416 | Dittc | |
| 37 | | Y. P. Panel No. 134 |
| 1416 | | |
| 1374 | Ditto | |
| 42 | | C. Panel No. 134 |
| 1374 | | |
| 1329 | Ditto | |
| 45 | | W. P. Panel No. 135 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1329 | | |
| 1287 | Ditto | |
| 42 | | Y. P. Panel No. 135 |
| 1287 | | |
| 1248 | Ditto | |
| 39 | | C. Panel No. 135 |

## No. 14 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1726 | Wt. of ¼ gal. paint as received. | |
| 1503 | " " paint before use. | |
| 1460½ | " " " after use. | |
| 42½ | " " " applied to | W. P. Panel No. 136 |
| 1460½ | | |
| 1408 | Ditto | |
| 52½ | | Y. P. Panel No. 136 |
| 1408 | | |
| 1367½ | Ditto | |
| 40½ | | C. Panel No. 136 |
| 1367½ | | |
| 1322 | Ditto | |
| 45½ | | W. P. Panel No. 137 |
| 1322 | | |
| 1269 | Ditto | |
| 53 | | Y. P. Panel No. 137 |
| 1269 | | |
| 1227½ | Ditto | |
| 41½ | | C. Panel No. 137 |

## No. 15 GRAY PAINT.

### 1st Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1727 | Wt. of ¼ gal. paint as received. | |
| 1758½ | " " paint before use. | |
| 1715½ | " " " after use. | |
| 43 | " " " applied to | W. P. Panel No. 138 |
| 1715½ | | |
| 1675½ | Ditto | |
| 40 | | Y. P. Panel No. 138 |
| 1675½ | | |
| 1638½ | Ditto | |
| 37 | | C. Panel No. 138 |
| 1638½ | | |
| 1593 | Ditto | |
| 35½ | | W. P. Panel No. 139 |
| 1593 | Ditto | |
| 1552 | | |
| 41 | | Y. P. Panel No. 139 |
| 1552 | | |
| 1510½ | | |
| 31½ | | C. Panel No. 139 |

## No. 16 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1945½ | Wt. of ¼ gal. paint as received. | |
| 1767 | " " paint before use. | |
| 1719 | " " " after use. | |
| 48 | " " " applied to | W. P. Panel No. 140 |
| 1719 | | |
| 1681 | Ditto | |
| 38 | | Y. P. Panel No. 140 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1681 | | |
| 1640½ | Ditto | |
| 40½ | | C. Panel No. 140 |
| 1640½ | | |
| 1596½ | Ditto | |
| 44 | | W. P. Panel No. 141 |
| 1596½ | | |
| 1555 | Ditto | |
| 41½ | | Y. P. Panel No. 141 |
| 1555 | | |
| 1516 | Ditto | |
| 39 | | C. Panel No. 141 |

## No. 17 GRAY PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1808½ | Wt. of ¼ gal. paint as received. | | | |
| 1646 | " | " | paint before use. | |
| 1595 | " | " | " after use. | |
| 51 | " | " | " applied to | W. P. Panel No. 142 |
| 1595 | | | | |
| 1547 | Ditto | | | |
| 48 | | | | Y. P. Panel No. 142 |
| 1547 | | | | |
| 1511 | Ditto | | | |
| 36 | | | | C. Panel No. 142 |
| 1511 | | | | |
| 1463½ | Ditto | | | |
| 48½ | | | | W. P. Panel No. 143 |
| 1463½ | | | | |
| 1417 | Ditto | | | |
| 45½ | | | | Y. P. Panel No. 143 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1417 | | |
| 1376 | Ditto | |
| 41 | | C. Panel No. 143 |

## No. 18 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1980 | Wt. of ¼ gal. paint as received. | |
| 1798 | " " paint before use. | |
| 1746 | " " " after use. | |
| 52 | " " " applied to | W. P. Panel No. 144 |
| 1746 | | |
| 1700 | Ditto | |
| 46 | | Y. P. Panel No. 144 |
| 1700 | | |
| 1657 | Ditto | |
| 52 | | C. Panel No. 144 |
| 1657 | | |
| 1607 | Ditto | |
| 50 | | W. P. Panel No. 145 |
| 1607 | | |
| 1566 | Ditto | |
| 41 | | Y. P. Panel No. 145 |
| 1566 | | |
| 1526 | Ditto | |
| 40 | | C. Panel No. 145 |

## No. 19 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1888 | Wt. of ¼ gal. paint as received. | |
| 1675 | " " paint before use. | |
| 1621 | " " " after use. | |
| 54 | " " " applied to | W. P. Panel No. 146 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1621 | | |
| 1585 | Ditto | |
| 36 | | Y. P. Panel No. 146 |
| 1585 | | |
| 1540 | Ditto | |
| 45 | | C. Panel No. 146 |
| 1540 | | |
| 1494 | Ditto | |
| 46 | | Y. P. Panel No. 147 |
| 1494 | | |
| 1444 | Ditto | |
| 50 | | W. P. Panel No. 147 |
| 1444 | | |
| 1408 | Ditto | |
| 36 | | C. Panel No. 147 |

## No. 20 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1867 | Wt. of ¼ gal. paint as received. | |
| 1664 | " " paint before use. | |
| 1609 | " " " after use. | |
| 55 | " " " applied to | W. P. Panel No. 148 |
| 1609 | | |
| 1563 | Ditto | |
| 46 | | Y. P. Panel No. 148 |
| 1563 | | |
| 1522 | Ditto | |
| 41 | | C. Panel No. 148 |
| 1522 | | |
| 1463½ | Ditto | |
| 53½ | | W. P. Panel No. 149 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1463½ | | |
| 1414½ | Ditto | |
| 49 | | Y. P. Panel No. 149 |
| 1414½ | | |
| 1372 | Ditto | |
| 42½ | | C. Panel No. 149 |

## No. 21 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1627 | Wt. of ¼ gal. paint as received. | |
| 1489 | " " paint before use. | |
| 1422½ | " " " after use. | |
| 56½ | " " " applied to | W. P. Panel No. 150 |
| 1422½ | | |
| 1394½ | Ditto | |
| 28 | | Y. P. Panel No. 150 |
| 1394½ | | |
| 1356 | Ditto | |
| 38½ | | C. Panel No. 150 |
| 1356 | | |
| 1309 | Ditto | |
| 47 | | W. P. Panel No. 151 |
| 1309 | | |
| 1260 | Ditto | |
| 49 | | Y. P. Panel No. 151 |
| 1260 | | |
| 1220½ | Ditto | |
| 40½ | | C. Panel No. 151 |

## No. 22 GRAY PAINT.

### 1st Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1785 | Wt. of ¼ gal. paint as received. | | | | |
| 1701 | " | " | paint before use. | | |
| 1652½ | " | " | " after use. | | |
| 48½ | " | " | " applied to | | W. P. Panel No. 152 |
| 1652½ | | | | | |
| 1599 | | Ditto | | | |
| 53½ | | | | | Y. P. Panel No. 152 |
| 1599 | | | | | |
| 1561 | | Ditto | | | |
| 38 | | | | | C. Panel No. 152 |
| 1561 | | | | | |
| 1514 | | Ditto | | | |
| 47 | | | | | W. P. Panel No. 153 |
| 1514 | | | | | |
| 1463½ | | Ditto | | | |
| 50½ | | | | | Y. P. Panel No. 153 |
| 1463½ | | | | | |
| 1422 | | Ditto | | | |
| 41½ | | | | | C. Panel No. 153 |

## No. 23 GRAY PAINT.

### 1st Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1678 | Wt. of ¼ gal. paint as received. | | | | |
| 1585½ | " | " | paint before use | | |
| 1540 | " | " | " after use. | | |
| 45½ | " | " | " applied to | | W. P. Panel No. 154 |
| 1540 | | | | | |
| 1499 | | Ditto | | | |
| 41 | | | | | Y. P. Panel No. 154 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1499 | | |
| 1459 | Ditto | |
| 40 | | C. Panel No. 154 |
| 1459 | | |
| 1408 | Ditto | |
| 51 | | W. P. Panel No. 155 |
| 1408 | | |
| 1370 | Ditto | |
| 38 | | Y. P. Panel No. 155 |
| 1370 | | |
| 1330 | Ditto | |
| 40 | | C. Panel No. 155 |

## No. 24 GRAY PAINT.

### 1st Coat.

| | | |
|---|---|---|
| 1695½ | Wt. of ¼ gal. paint as received. | |
| 1695 | " " paint before use. | |
| 1648 | " " " after use. | |
| 47 | " " " applied to | W. P. Panel No. 156 |
| 1648 | | |
| 1604 | Ditto | |
| 44 | | Y. P. Panel No. 156 |
| 1604 | | |
| 1560½ | Ditto | |
| 43½ | | C. Panel No. 156 |
| 1560½ | | |
| 1517 | Ditto | |
| 43½ | | W. P. Panel No. 157 |
| 1517 | | |
| 1473 | Ditto | |
| 44 | | Y. P. Panel No. 157 |
| 1473 | | |
| 1434 | Ditto | |
| 39 | | C. Panel No. 157 |

## No. 25 GRAY PAINT.

### 1st Coat.

| Grammes. | | | | Spreading Rate |
|---|---|---|---|---|
| 1663½ | Wt. of ¼ gal. paint as received. | | | |
| 1653½ | " " paint before use. | | | |
| 1603 | " " " after use. | | | |
| 50½ | " " " | applied to | W. P. Panel No. 158 | |
| 1603 | | | | |
| 1564 | Ditto | | | |
| 39 | | | Y. P. Panel No. 158 | |
| 1564 | | | | |
| 1526 | Ditto | | | |
| 38 | | | C. Panel No. 158 | |
| 1526 | | | | |
| 1486 | Ditto | | | |
| 40 | | | W. P. Panel No. 159 | |
| 1486 | | | | |
| 1440½ | Ditto | | | |
| 45½ | | | Y. P. Panel No. 159 | |
| 1440½ | | | | |
| 1402½ | Ditto | | | |
| 38 | | | C. Panel No. 159 | |

## No. 26 GRAY PAINT.

### 1st Coat.

| | | | | |
|---|---|---|---|---|
| 1724 | Wt. of ¼ gal. paint as received. | | | |
| 1607½ | " " paint before use. | | | |
| 1560½ | " " " after use. | | | |
| 47 | " " " | applied to | W. P. Panel No. 160 | |
| 1560½ | | | | |
| 1514½ | Ditto | | | |
| 56 | | | Y. P. Panel No. 160 | |
| 1514½ | | | | |
| 1428½ | Ditto | | | |
| 86 | | | C. Panel No. 160 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1428½ | | |
| 1390½ | Ditto | |
| 38 | | W. P. Panel No. 161 |
| 1390½ | | |
| 1351 | Ditto | |
| 39½ | | Y. P. Panel No. 161 |
| | | C. Panel No. 161 |

Gray Paint
Second Coat

## No. 1 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 1423 | Wt. | of | paint | before use. | |
| 1395 | " | " | " | after use. | |
| 28 | " | " | " | applied to | W. P. Panel No. 110 |
| 1395 | | | | | |
| 1365 | | Ditto | | | |
| 30 | | | | | Y. P. Panel No. 110 |
| 1365 | | | | | |
| 1337 | | Ditto | | | |
| 28 | | | | | C. Panel No. 110 |
| 1337 | | | | | |
| 1307 | | Ditto | | | |
| 30 | | | | | W. P. Panel No. 111 |
| 1307 | | | | | |
| 1280 | | Ditto | | | |
| 27 | | | | | Y. P. Panel No. 111 |
| 1280 | | | | | |
| 1255 | | Ditto | | | |
| 25 | | | | | C. Panel No. 111 |

## No. 2 GRAY PAINT.

### 2d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1466 | Wt. | of | paint | before use. | |
| 1440 | " | " | " | after use. | |
| 26 | " | " | " | applied to | W. P. Panel No. 112 |
| 1440 | | | | | |
| 1414 | | Ditto | | | |
| 26 | | | | | Y. P. Panel No. 112 |
| 1414 | | | | | |
| 1386 | | Ditto | | | |
| 28 | | | | | C. Panel No. 112 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1386 | | |
| 1355 | Ditto | |
| 31 | | W. P. Panel No. 113 |
| 1355 | | |
| 1327 | Ditto | |
| 28 | | Y. P. Panel No. 113 |
| 1327 | | |
| 1299 | Ditto | |
| 28 | | C. Panel No. 113 |

## No. 3 GRAY PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1484 | Wt. of paint | before use. | |
| 1455 | " " " | after use. | |
| 29 | " " " | applied to | W. P. Panel No. 114 |
| 1455 | | | |
| 1432 | Ditto | | |
| 23 | | | Y. P. Panel No. 114 |
| 1432 | | | |
| 1405 | Ditto | | |
| 27 | | | C. Panel No. 114 |
| 1405 | | | |
| 1376 | Ditto | | |
| 29 | | | W. P. Panel No. 115 |
| 1376 | | | |
| 1347 | Ditto | | |
| 29 | | | Y. P. Panel No. 115 |
| 1347 | | | |
| 1317 | Ditto | | |
| 30 | | | C. Panel No. 115 |

## No. 4 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1426 | Wt. of paint before use. | | | |
| 1385 | " " " | after use. | | |
| 41 | " " " | applied to | W. P. Panel No. 116 | |
| 1385 | | | | |
| 1352 | Ditto | | | |
| 33 | | | Y. P. Panel No. 116 | |
| 1352 | | | | |
| 1317 | Ditto | | | |
| 35 | | | C. Panel No. 116 | |
| 1317 | | | | |
| 1286½ | Ditto | | | |
| 30½ | | | W. P. Panel No. 117 | |
| 1003 | | | | |
| 981 | Ditto | | | |
| 22 | | | Y. P. Panel No. 117 | |
| 981 | | | | |
| 958 | Ditto | | | |
| 23 | | | C. Panel No. 117 | |

## No. 5 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1228 | Wt. of paint before use. | | | |
| 1199½ | " " " | after use. | | |
| 28½ | " " " | applied to | W. P. Panel No. 118 | |
| 1199½ | | | | |
| 1175 | Ditto | | | |
| 24½ | | | Y. P. Panel No. 118 | |
| 1175 | | | | |
| 1149 | Ditto | | | |
| 26 | | | C. Panel No. 118 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1149 | | |
| 1124 | Ditto | |
| 25 | | W. P. Panel No. 119 |
| 1124 | | |
| 1099 | Ditto | |
| 25 | | Y. P. Panel No. 119 |
| 1089 | | |
| 1060 | Ditto | |
| 29 | | C. Panel No. 119 |

## No. 6 GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1324 | Wt. of paint before use. | |
| 1294 | " " " after use. | |
| 30 | " " " applied to | W. P. Panel No. 120 |
| 1294 | | |
| 1267 | Ditto | |
| 27 | | Y. P. Panel No. 120 |
| 1267 | | |
| 1235 | Ditto | |
| 32 | | C. Panel No. 120 |
| 1235 | | |
| 1209 | Ditto | |
| 36 | | W. P. Panel No. 121 |
| 1209 | | |
| 1184 | Ditto | |
| 25 | | Y. P. Panel No. 121 |
| 1184 | | |
| 1059 | Ditto | |
| 25 | | C. Panel No. 121 |

## No. 7 GRAY PAINT.

### 2d Coat.

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1424 | Wt. of paint before use. | |
| 1395½ | " " " after use. | |
| 28½ | " " " applied to | W. P. Panel No. 122 |
| 1395½ | | |
| 1365½ | Ditto | |
| 30 | | Y. P. Panel No. 122 |
| 1365½ | | |
| 1339½ | Ditto | |
| 26 | | C. Panel No. 122 |
| 1339½ | | |
| 1312 | Ditto | |
| 27½ | | W. P. Panel No. 123 |
| 1312 | | |
| 1288 | Ditto | |
| 24 | | Y. P. Panel No. 123 |
| 1288 | | |
| 1266 | Ditto | |
| 22 | | C. Panel No. 123 |

## No. 8 GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1356 | Wt. of paint before use. | |
| 1332 | " " " after use. | |
| 24 | " " " applied to | W. P. Panel No. 124 |
| 1332 | | |
| 1304 | Ditto | |
| 28 | | Y. P. Panel No. 124 |
| 1304 | | |
| 1279 | Ditto | |
| 25 | | C. Panel No. 124 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1279 | | |
| 1250 | Ditto | |
| 29 | | W. P. Panel No. 125 |
| 1250 | | |
| 1223 | Ditto | |
| 27 | | Y. P. Panel No. 125 |
| 1223 | | |
| 1197 | Ditto | |
| 26 | | C. Panel No. 125 |

## No. 9 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1237 | Wt. of paint | | before use. | |
| 1210 | " | " | after use. | |
| 27 | " | " | applied to | W. P. Panel No. 126 |
| 1210 | | | | |
| 1186 | Ditto | | | |
| 24 | | | | Y. P. Panel No. 126 |
| 1186 | | | | |
| 1161 | Ditto | | | |
| 25 | | | | C. Panel No. 126 |
| 1161 | | | | |
| 1136 | Ditto | | | |
| 25 | | | | W. P. Panel No. 127 |
| 1136 | | | | |
| 1111 | Ditto | | | |
| 25 | | | | Y. P. Panel No. 127 |
| 1111 | | | | |
| 1091 | Ditto | | | |
| 20 | | | | C. Panel No. 127 |

## No. 10 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1302 | Wt. of paint before use. | | | |
| 1269 | " " " | after use. | | |
| 33 | " " " | applied to | W. P. Panel No. 128 | |
| 1269 | | | | |
| 1240 | Ditto | | | |
| 29 | | | Y. P. Panel No. 128 | |
| 1240 | | | | |
| 1214 | Ditto | | | |
| 26 | | | C. Panel No. 128 | |
| 1214 | | | | |
| 1182 | Ditto | | | |
| 32 | | | W. P. Panel No. 129 | |
| 1182 | | | | |
| 1154 | Ditto | | | |
| 28 | | | Y. P. Panel No. 129 | |
| 1154 | | | | |
| 1128 | Ditto | | | |
| 26 | | | C. Panel No. 129 | |

## No. 11 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1366 | Wt. of paint before use. | | | |
| 1340 | " " " | after use. | | |
| 26 | " " " | applied to | W. P. Panel No. 130 | |
| 1340 | | | | |
| 1312 | Ditto | | | |
| 28 | | | Y. P. Panel No. 130 | |
| 1312 | | | | |
| 1289½ | Ditto | | | |
| 22½ | | | C. Panel No. 130 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1289½ | | |
| 1262½ | Ditto | |
| 27 | | W. P. Panel No. 131 |
| 1262 | | |
| 1235½ | Ditto | |
| 26½ | | Y. P. Panel No. 131 |
| 1235½ | | |
| 1113½ | Ditto | |
| 22 | | C. Panel No. 131 |

## No. 12 GRAY PAINT.

### 2d Coat.

| | | | |
|---|---|---|---|
| 1414 | Wt. of paint before use. | | |
| 1385 | " " " after use. | | |
| 29 | " " " applied to | W. P. Panel No. 132 | |
| 1385 | | | |
| 1359 | Ditto | | |
| 26 | | Y. P. Panel No. 132 | |
| 1359 | | | |
| 1334 | Ditto | | |
| 25 | | C. Panel No. 132 | |
| 1334 | | | |
| 1301 | Ditto | | |
| 33 | | W. P. Panel No. 133 | |
| 1301 | | | |
| 1285 | Ditto | | |
| 16 | | Y. P. Panel No. 133 | |
| 1286 | | | |
| 1260 | Ditto | | |
| 26 | | C. Panel No. 133 | |

## No. 13 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1234 | Wt. of paint | | before use. | |
| 1205 | " | " | after use. | |
| 29 | " | " | applied to | W. P. Panel No. 134 |
| 1205 | | | | |
| 1178 | Ditto | | | |
| 27 | | | | Y. P. Panel No. 134 |
| 1178 | | | | |
| 1151½ | Ditto | | | |
| 26½ | | | | C. Panel No. 134 |
| 1151½ | | | | |
| 1124 | Ditto | | | |
| 27½ | | | | W. P. Panel No. 135 |
| 1124 | | | | |
| 1096 | Ditto | | | |
| 28 | | | | Y. P. Panel No. 135 |
| 1096 | | | | |
| 1071 | Ditto | | | |
| 25 | | | | C. Panel No. 135 |

## No. 14 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1275 | Wt. of paint | | before use. | |
| 1248 | " | " | after use. | |
| 27 | " | " | applied to | W. P. Panel No. 136 |
| 1248 | | | | |
| 1223 | Ditto | | | |
| 25 | | | | Y. P. Panel No. 136 |
| 1223 | | | | |
| 1195 | Ditto | | | |
| 28 | | | | C. Panel No. 136 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1195 | | |
| 1169 | Ditto | |
| 26 | | W. P. Panel No. 137 |
| 1169 | | |
| 1144 | Ditto | |
| 25 | | Y. P. Panel No. 137 |
| 1144 | | |
| 1120 | Ditto | |
| 24 | | C. Panel No. 137 |

## No. 15 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1435 | Wt. of paint before use. | | | |
| 1409 | " | " | after use. | |
| 26 | " | " | applied to | W. P. Panel No. 138 |
| 1409 | | | | |
| 1388 | Ditto | | | |
| 21 | | | | Y. P. Panel No. 138 |
| 1388 | | | | |
| 1366 | Ditto | | | |
| 22 | | | | C. Panel No. 138 |
| 1366 | | | | |
| 1341 | Ditto | | | |
| 25 | | | | W. P. Panel No. 139 |
| 1341 | | | | |
| 1318 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 139 |
| 1318 | | | | |
| 1295 | Ditto | | | |
| 23 | | | | C. Panel No. 139 |

## No. 16 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1400 | Wt. of paint | | before use. | |
| 1371 | " | " | after use. | |
| 29 | " | " | applied to | W. P. Panel No. 140 |
| 1371 | | | | |
| 1348 | | Ditto | | |
| 23 | | | | Y. P. Panel No. 140 |
| 1341 | | | | |
| 1326 | | Ditto | | |
| 25 | | | | C. Panel No. 140 |
| 1326 | | | | |
| 1300 | | Ditto | | |
| 26 | | | | W. P. Panel No. 141 |
| 1300 | | | | |
| 1277 | | Ditto | | |
| 23 | | | | Y. P. Panel No. 141 |
| 1277 | | | | |
| 1254 | | Ditto | | |
| 23 | | | | C. Panel No. 141 |

## No. 17 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1347 | Wt. of paint | | before use. | |
| 1322 | " | " | after use. | |
| 25 | " | " | applied to | W. P. Panel No. 142 |
| 1322 | | | | |
| 1300 | | Ditto | | |
| 22 | | | | Y. P. Panel No. 142 |
| 1300 | | | | |
| 1279 | | Ditto | | |
| 31 | | | | C. Panel No. 142 |

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1279 | | | | |
| 1256 | Ditto | | | |
| 23 | | | | W. P. Panel No. 143 |
| 1256 | | | | |
| 1234 | Ditto | | | |
| 22 | | | | Y. P. Panel No. 143 |
| 1234 | | | | |
| 1214 | Ditto | | | |
| 20 | | | | C. Panel No. 143 |

## No. 18 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1453 | Wt. of paint | | before use. | |
| 1426 | " | " | after use. | |
| 27 | " | " | applied to | W. P. Panel No. 144 |
| 1426 | | | | |
| 1403 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 144 |
| 1403 | | | | |
| 1382 | Ditto | | | |
| 21 | | | | C. Panel No. 144 |
| 1382 | | | | |
| 1359 | Ditto | | | |
| 23 | | | | W. P. Panel No. 145 |
| 1359 | | | | |
| 1338 | Ditto | | | |
| 21 | | | | Y. P. Panel No. 145 |
| 1338 | | | | |
| 1319 | Ditto | | | |
| 21 | | | | C. Panel No. 145 |

## No. 19 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1329 | Wt. of paint before use. | | | |
| 1302 | " " " | after use. | | |
| 27 | " " " | applied to | W. P. Panel No. 146 | |
| 1302 | | | | |
| 1281 | Ditto | | | |
| 21 | | | Y. P. Panel No. 146 | |
| 1281 | | | | |
| 1257 | Ditto | | | |
| 24 | | | C. Panel No. 146 | |
| 1257 | | | | |
| 1234 | Ditto | | | |
| 23 | | | W. P. Panel No. 147 | |
| 1234 | | | | |
| 1211 | Ditto | | | |
| 23 | | | Y. P. Panel No. 147 | |
| 1211 | | | | |
| 1190 | Ditto | | | |
| 21 | | | C. Panel No. 147 | |

## No. 20 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1382 | Wt. of paint before use. | | | |
| 1355 | " " " | after use. | | |
| 27 | " " " | applied to | W. P. Panel No. 148 | |
| 1355 | | | | |
| 1333 | Ditto | | | |
| 22 | | | Y. P. Panel No. 148 | |
| 1333 | | | | |
| 1309 | Ditto | | | |
| 24 | | | C. Panel No. 148 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1309 | | |
| 1283 | Ditto | |
| 26 | | W. P. Panel No. 149 |
| 1283 | | |
| 1258 | Ditto | |
| 25 | | Y. P. Panel No. 149 |
| 1258 | | |
| 1236 | Ditto | |
| 22 | | C. Panel No. 149 |

## No. 21 GRAY PAINT.

### 2d Coat.

| | | |
|---|---|---|
| 1265 | Wt. of paint before use. | |
| 1242 | " " " after use. | |
| 23 | " " " applied to | W. P. Panel No. 150 |
| 1242 | | |
| 1217½ | Ditto | |
| 24½ | | Y. P. Panel No. 150 |
| 1217½ | | |
| 1195 | Ditto | |
| 22½ | | C. Panel No. 150 |
| 1195 | | |
| 1173 | Ditto | |
| 22 | | W. P. Panel No. 151 |
| 1173 | | |
| 1148 | Ditto | |
| 25 | | Y. P. Panel No. 151 |
| 1148 | | |
| 1126 | Ditto | |
| 22 | | C. Panel No. 151 |

## No. 22 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1337 | Wt. of paint | | before use. | |
| 1313 | " | " | after use. | |
| 24 | " | " | applied to | W. P. Panel No. 152 |
| 1313 | | | | |
| 1289 | Ditto | | | |
| 24 | | | | Y. P. Panel No. 152 |
| 1289 | | | | |
| 1265 | Ditto | | | |
| 24 | | | | C. Panel No. 152 |
| 1265 | | | | |
| 1243 | Ditto | | | |
| 22 | | | | W. P. Panel No. 153 |
| 1243 | | | | |
| 1220 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 153 |
| 1220 | | | | |
| 1198 | Ditto | | | |
| 22 | | | | C. Panel No. 153 |

## No. 23 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1314 | Wt. of paint | | before use. | |
| 1290 | " | " | after use. | |
| 24 | " | " | applied to | W. P. Panel No. 154 |
| 1290 | | | | |
| 1269 | Ditto | | | |
| 21 | | | | Y. P. Panel No. 154 |
| 1269 | | | | |
| 1248 | Ditto | | | |
| 21 | | | | C. Panel No. 154 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1248 | | |
| 1225 | Ditto | |
| 23 | | W. P. Panel No. 155 |
| 1225 | | |
| 1200 | Ditto | |
| 25 | | Y. P. Panel No. 155 |
| 1200 | | |
| 1178 | Ditto | |
| 22 | | C. Panel No. 155 |

## No. 24 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1288 | Wt. of paint | | before use. | |
| 1263 | " | " | after use. | |
| 25 | " | " | applied to | W. P. Panel No. 156 |
| 1263 | | | | |
| 1243 | Ditto | | | |
| 20 | | | | Y. P. Panel No. 156 |
| 1243 | | | | |
| 1222 | Ditto | | | |
| 21 | | | | C. Panel No. 156 |
| 1222 | | | | |
| 1200 | Ditto | | | |
| 22 | | | | W. P. Panel No. 157 |
| 1200 | | | | |
| 1180 | Ditto | | | |
| 20 | | | | Y. P. Panel No. 157 |
| 1180 | | | | |
| 1159 | Ditto | | | |
| 21 | | | | C. Panel No. 157 |

## No. 25 GRAY PAINT.

### 2d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1306 | Wt. of paint before use. | | | |
| 1282 | " " " | after use. | | |
| 24 | " " " | applied to | W. P. Panel No. 158 | |
| 1282 | | | | |
| 1258 | Ditto | | | |
| 24 | | | Y. P. Panel No. 158 | |
| 1258 | | | | |
| 1237 | Ditto | | | |
| 21 | | | C. Panel No. 158 | |
| 1237 | | | | |
| 1212 | Ditto | | | |
| 25 | | | W. P. Panel No. 159 | |
| 1212 | | | | |
| 1189 | Ditto | | | |
| 23 | | | Y. P. Panel No. 159 | |
| 1189 | | | | |
| 1167 | Ditto | | | |
| 22 | | | C. Panel No. 159 | |

## No. 26 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1293 | Wt. of paint before use. | | | |
| 1268 | " " " | after use. | | |
| 25 | " " " | applied to | W. P. Panel No. 160 | |
| 1268 | | | | |
| 1244 | Ditto | | | |
| 24 | | | Y. P. Panel No. 160 | |
| 1244 | | | | |
| 1223½ | Ditto | | | |
| 20½ | | | C. Panel No. 160 | |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1223½ | | |
| 1202½ | Ditto | |
| 21 | | W. P. Panel No. 161 |
| 1202½ | | |
| 1183 | Ditto | |
| 19½ | | Y. P. Panel No. 161 |
| 1183 | | |
| 1160 | Ditto | |
| 23 | | C. Panel No. 161 |

## No. 27 GRAY PAINT.

### 2d Coat.

| | | | | |
|---|---|---|---|---|
| 1271 | Wt. of paint | | before use. | |
| 1250 | " | " | after use. | |
| 21 | " | " | applied to | W. P. Panel No. 162 |
| 1260 | | | | |
| 1232 | Ditto | | | |
| 28 | | | | Y. P. Panel No. 162 |
| 1232 | | | | |
| 1209 | Ditto | | | |
| 23 | | | | C. Panel No. 162 |
| 1209 | | | | |
| 1188 | Ditto | | | |
| 21 | | | | W. P. Panel No. 163 |
| 1188 | | | | |
| 1165 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 163 |
| 1165 | | | | |
| 1147 | Ditto | | | |
| 18 | | | | C. Panel No. 163 |

# Gray Paint
# Third Coat

## No. 1 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2030½ | Wt. of paint | | before use. | |
| 2005½ | " | " | after use. | |
| 25 | " | " | applied to | W. P. Panel No. 110 |
| 2005½ | | | | |
| 1980½ | Ditto | | | |
| 25 | | | | Y. P. Panel No. 110 |
| 1980½ | | | | |
| 1952 | Ditto | | | |
| 28½ | | | | C. Panel No. 110 |
| 1952 | | | | |
| 1926½ | Ditto | | | |
| 25½ | | | | W. P. Panel No. 111 |
| 1926½ | | | | |
| 1904 | Ditto | | | |
| 22½ | | | | Y. P. Panel No. 111 |
| 1904 | | | | |
| 1878½ | Ditto | | | |
| 25½ | | | | C. Panel No. 111 |

## No. 2 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2119 | Wt. of paint | | before use. | |
| 2096 | " | " | after use. | |
| 23 | " | " | applied to | W. P. Panel No. 112 |
| 2096 | | | | |
| 2073 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 112 |
| 2073 | | | | |
| 2050 | Ditto | | | |
| 23 | | | | C. Panel No. 112 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2050 | | |
| 2024 | Ditto | |
| 26 | | W. P. Panel No. 113 |
| 2024 | | |
| 1999 | Ditto | |
| 25 | | Y. P. Panel No. 113 |
| 1999 | | |
| 1973 | Ditto | |
| 26 | | C. Panel No. 113 |

## No. 3 GRAY PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2152 | Wt. of paint before use. | | |
| 2118 | " " " | after use. | |
| 34 | " " " | applied to | W. P. Panel No. 114 |
| 2118 | | | |
| 2090 | Ditto | | |
| 28 | | | Y. P. Panel No. 114 |
| 2090 | | | |
| 2060 | Ditto | | |
| 30 | | | C. Panel No. 114 |
| 2060 | | | |
| 2026 | Ditto | | |
| 34 | | | W. P. Panel No. 115 |
| 2026 | | | |
| 1990 | Ditto | | |
| 36 | | | Y. P. Panel No. 115 |
| 1990 | | | |
| 1954½ | Ditto | | |
| 35½ | | | C. Panel No. 115 |

## No. 4 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | | Spreading Rate. |
|---|---|---|---|---|---|
| 2425½ | Wt. of paint before use. | | | | |
| 2390½ | " | " | " | after use. | |
| 35 | " | " | " | applied to | W. P. Panel No. 116 |
| 2390½ | | | | | |
| 2357½ | | Ditto | | | |
| 33 | | | | | Y. P. Panel No. 116 |
| 2357½ | | | | | |
| 2326½ | | Ditto | | | |
| 31 | | | | | C. Panel No. 116 |
| 2326½ | | | | | |
| 2280½ | | Ditto | | | |
| 46 | | | | | W. P. Panel No. 117 |
| 2280½ | | | | | |
| 2252 | | Ditto | | | |
| 28½ | | | | | Y. P. Panel No. 117 |
| 2252 | | | | | |
| 2221 | | Ditto | | | |
| 31 | | | | | C. Panel No. 117 |

## No. 5 GRAY PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 1986 | Wt. of paint before use. | | | | |
| 1960 | " | " | " | after use. | |
| 26 | " | " | " | applied to | W. P. Panel No. 118 |
| 1960 | | | | | |
| 1933 | | Ditto | | | |
| 27 | | | | | Y. P. Panel No. 118 |
| 1933 | | | | | |
| 1905 | | Ditto | | | |
| 25 | | | | | C. Panel No. 118 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1908 | | |
| 1880½ | Ditto | |
| 27½ | | W. P. Panel No. 119 |
| 1880 | | |
| 1853 | Ditto | |
| 27 | | Y. P. Panel No. 119 |
| 1853 | | |
| 1825 | Ditto | |
| 28 | | C. Panel No. 119 |

## No. 6 GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2123½ | Wt. of paint before use. | |
| 2099 | " " " after use. | |
| 29½ | " " " applied to | W. P. Panel No. 120 |
| 2099 | | |
| 2063 | Ditto | |
| 31 | | Y. P. Panel No. 120 |
| 2063 | | |
| 2031½ | Ditto | |
| 31½ | | C. Panel No. 120 |
| 2031½ | | |
| 1998 | Ditto | |
| 33½ | | W. P. Panel No. 121 |
| 1998 | | |
| 1968 | Ditto | |
| 30 | | Y. P. Panel No. 121 |
| 1968 | | |
| 1939 | Ditto | |
| 29 | | C. Panel No. 121 |

## No. 7 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2105 | Wt. of paint before use. | | | |
| 2079 | " | " | " after use. | |
| 26 | " | " | " applied to | W. P. Panel No. 122 |
| 2079 | | | | |
| 2047 | | Ditto | | |
| 32 | | | | Y. P. Panel No. 122 |
| 2047 | | | | |
| 2017½ | | Ditto | | |
| 29½ | | | | C. Panel No. 122 |
| 2017½ | | | | |
| 1989½ | | Ditto | | |
| 28 | | | | W. P. Panel No. 123 |
| 1989½ | | | | |
| 1961½ | | Ditto | | |
| 28 | | | | Y. P. Panel No. 123 |
| 1961½ | | | | |
| 1931 | | Ditto | | |
| 30½ | | | | C. Panel No. 123 |

## No. 8 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2057 | Wt. of paint before use. | | | |
| 2030 | " | " | " after use. | |
| 27 | " | " | " applied to | W. P. Panel No. 124 |
| 2030 | | | | |
| 2001 | | Ditto | | |
| 29 | | | | Y. P. Panel No. 124 |
| 2001 | | | | |
| 1975 | | Ditto | | |
| 26 | | | | C. Panel No. 124 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1915 | | |
| 1948 | Ditto | |
| 27 | | W. P. Panel No. 125 |
| 1948 | | |
| 1924 | Ditto | |
| 24 | | Y. P. Panel No. 125 |
| 1924 | | |
| 1900 | Ditto | |
| 24 | | C. Panel No. 125 |

## No. 9 GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 1868 | Wt. of paint before use. | |
| 1847 | " " " after use. | |
| 21 | " " " applied to | W. P. Panel No. 126 |
| 1847 | | |
| 1825 | Ditto | |
| 22 | | Y. P. Panel No. 126 |
| 1825 | | |
| 1804 | Ditto | |
| 21 | | C. Panel No. 126 |
| 1804 | | |
| 1780 | Ditto | |
| 24 | | W. P. Panel No. 127 |
| 1780 | | |
| 1758½ | Ditto | |
| 21½ | | Y. P. Panel No. 127 |
| 1758½ | | |
| 1737 | Ditto | |
| 21½ | | C. Panel No. 127 |

## No. 10 GRAY PAINT.

### 3d Coat.

| Grammes. | | | Spreading Rate. |
|---|---|---|---|
| 2253 | Wt. of paint before use. | | |
| 2221½ | " " " | after use. | |
| 31½ | " " " | applied to | W. P. Panel No. 128 |
| 2221½ | | | |
| 2186 | Ditto | | |
| 35½ | | | Y. P. Panel No. 128 |
| 2186 | | | |
| 2157 | Ditto | | |
| 29 | | | C. Panel No. 128 |
| 2157 | | | |
| 2119 | Ditto | | |
| 38 | | | W. P. Panel No. 129 |
| 2119 | | | |
| 2080½ | Ditto | | |
| 38½ | | | Y. P. Panel No. 129 |
| 2080½ | | | |
| 2045½ | Ditto | | |
| 35 | | | C. Panel No. 129 |

## No. 11 GRAY PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2134 | Wt. of paint before use. | | |
| 2105½ | " " " | after use. | |
| 28½ | " " " | applied to | W. P. Panel No. 130 |
| 2105½ | | | |
| 2077 | Ditto | | |
| 28½ | | | Y. P. Panel No. 130 |
| 2077 | | | |
| 2049 | Ditto | | |
| 28 | | | C. Panel No. 130 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2049 | | |
| 2018 | Ditto | |
| 31 | | W. P. Panel No. 131 |
| 2018 | | |
| 1989 | Ditto | |
| 29 | | Y. P. Panel No. 131 |
| 1989 | | |
| 1959 | Ditto | |
| 30 | | C. Panel No. 131 |

## No. 12 GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 2231 | Wt. of paint before use. | |
| 2200 | " " " after use. | |
| 31 | " " " applied to | W. P. Panel No. 132 |
| 2200 | | |
| 2167 | Ditto | |
| 33 | | Y. P. Panel No. 132 |
| 2167 | | |
| 2133½ | Ditto | |
| 33½ | | C. Panel No. 132 |
| 2133½ | | |
| 2097 | Ditto | |
| 36½ | | W. P. Panel No. 133 |
| 2097 | | |
| 2064 | Ditto | |
| 33 | | Y. P. Panel No. 133 |
| 2064 | | |
| 2035 | Ditto | |
| 29 | | C. Panel No. 133 |

## No. 13 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1954 | Wt. of paint | | before use. | |
| 1929 | " | " | after use. | |
| 25 | " | " | applied to | W. P. Panel No. 134 |
| 1929 | | | | |
| 1906 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 134 |
| 1906 | | | | |
| 1884 | Ditto | | | |
| 22 | | | | C. Panel No. 134 |
| 1884 | | | | |
| 1863 | Ditto | | | |
| 21 | | | | W. P. Panel No. 135 |
| 1863 | | | | |
| 1840 | Ditto | | | |
| 23 | | | | Y. P. Panel No. 135 |
| 1840 | | | | |
| 1815 | Ditto | | | |
| 25 | | | | C. Panel No. 135 |

## No. 14 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1980 | Wt. of paint | | before use. | |
| 1950 | " | " | after use. | |
| 30 | " | " | applied to | W. P. Panel No. 136 |
| 1950 | | | | |
| 1917½ | Ditto | | | |
| 32½ | | | | Y. P. Panel No. 136 |
| 1917½ | | | | |
| 1886½ | Ditto | | | |
| 31 | | | | C. Panel No. 136 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1886½ | | |
| 1855 | Ditto | |
| 31½ | | W. P. Panel No. 137 |
| 1855 | | |
| 1823 | Ditto | |
| 32 | | Y. P. Panel No. 137 |
| 1823 | | |
| 1794 | Ditto | |
| 29 | | C. Panel No. 137 |

## No. 15 GRAY PAINT.

### 3d Coat.

| | | | | | |
|---|---|---|---|---|---|
| 2056½ | Wt. | of | paint | before use. | |
| 2028 | " | " | " | after use. | |
| 28½ | " | " | " | applied to | W. P. Panel No. 138 |
| 2028 | | | | | |
| 2002 | Ditto | | | | |
| 26 | | | | | Y. P. Panel No. 138 |
| 2002 | | | | | |
| 1975½ | Ditto | | | | |
| 26½ | | | | | C. Panel No. 138 |
| 1975½ | | | | | |
| 1950 | Ditto | | | | |
| 25½ | | | | | W. P. Panel No. 139 |
| 1950 | | | | | |
| 1926 | Ditto | | | | |
| 24 | | | | | Y. P. Panel No. 139 |
| 1926 | | | | | |
| 1899 | Ditto | | | | |
| 27 | | | | | C. Panel No. 139 |

## No. 16 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1981 | Wt. of paint | | before use. | |
| 1958½ | " | " | after use. | |
| 22½ | " | " | applied to | W. P. Panel No. 140 |
| 1958½ | | | | |
| 1937½ | | Ditto | | |
| 21 | | | | Y. P. Panel No. 140 |
| 1937½ | | | | |
| 1916 | | Ditto | | |
| 21½ | | | | C. Panel No. 140 |
| 1916 | | | | |
| 1891½ | | Ditto | | |
| 24½ | | | | W. P. Panel No. 141 |
| 1891½ | | | | |
| 1862½ | | Ditto | | |
| 29 | | | | Y. P. Panel No. 141 |
| 1862½ | | | | |
| 1836½ | | Ditto | | |
| 26 | | | | C. Panel No. 141 |

## No. 17 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2063 | Wt. of paint | | before use. | |
| 2035½ | " | " | after use. | |
| 27½ | " | " | applied to | W. P. Panel No. 142 |
| 2035½ | | | | |
| 2008 | | Ditto | | |
| 27½ | | | | Y. P. Panel No. 142 |
| 2008 | | | | |
| 1981 | | Ditto | | |
| 27 | | | | C. Panel No. 142 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1981 | | |
| 1952 | Ditto | |
| 29 | | W. P. Panel No. 143 |
| 1952 | | |
| 1924 | Ditto | |
| 28 | | Y. P. Panel No. 143 |
| 1924 | | |
| 1894 | Ditto | |
| 30 | | C. Panel No. 143 |

## No. 18 GRAY PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 2224 | Wt. of paint before use. | | |
| 2191 | " " " after use. | | |
| 33 | " " " applied to | W. P. Panel No. 144 | |
| 2191 | | | |
| 2162 | Ditto | | |
| 29 | | Y. P. Panel No. 144 | |
| 2162 | | | |
| 2134½ | Ditto | | |
| 27½ | | C. Panel No. 144 | |
| 2134½ | | | |
| 2105 | Ditto | | |
| 29 | | W. P. Panel No. 145 | |
| 2105 | | | |
| 2076 | Ditto | | |
| 29 | | Y. P. Panel No. 145 | |
| 2076 | | | |
| 2045 | Ditto | | |
| 31 | | C. Panel No. 145 | |

## No. 19 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 2142 | Wt. of paint before use. | | | |
| 2108½ | " | " | after use. | |
| 33½ | " | " | applied to | W. P. Panel No. 146 |
| 2108½ | | | | |
| 2083 | | Ditto | | |
| 25½ | | | | Y. P. Panel No. 146 |
| 2083 | | | | |
| 2050 | | Ditto | | |
| 33 | | | | C. Panel No. 146 |
| 2050 | | | | |
| 2019 | | Ditto | | |
| 31 | | | | W. P. Panel No. 147 |
| 2019 | | | | |
| 1988 | | Ditto | | |
| 31 | | | | Y. P. Panel No. 147 |
| 1988 | | | | |
| 1960 | | Ditto | | |
| 28 | | | | C. Panel No. 147 |

## No. 20 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2117½ | Wt. of paint before use. | | | |
| 2088½ | " | " | after use. | |
| 29 | " | " | applied to | W. P. Panel No. 148 |
| 2088½ | | | | |
| 2058½ | | Ditto | | |
| 30 | | | | Y. P. Panel No. 148 |
| 2058½ | | | | |
| 2026½ | | Ditto | | |
| 32 | | | | C. Panel No. 148 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 2026½ | | |
| 1995 | Ditto | |
| 31½ | | W. P. Panel No. 149 |
| 1995 | | |
| 1964 | Ditto | |
| 31 | | Y. P. Panel No. 149 |
| 1964 | | |
| 1933 | Ditto | |
| 31 | | C. Panel No. 149 |

## No. 21 GRAY PAINT.

### 3d Coat.

| | | |
|---|---|---|
| 1922 | Wt. of paint before use. | |
| 1897 | " " " after use. | |
| 25 | " " " applied to | W. P. Panel No. 150 |
| 1897 | | |
| 1863 | Ditto | |
| 34 | | Y. P. Panel No. 150 |
| 1863 | | |
| 1832 | Ditto | |
| 31 | | C. Panel No. 150 |
| 1832 | | |
| 1802½ | Ditto | |
| 29½ | | W. P. Panel No. 151 |
| 1802½ | | |
| 1771½ | Ditto | |
| 31 | | Y. P. Panel No. 151 |
| 1771½ | | |
| 1746½ | Ditto | |
| 25 | | C. Panel No. 151 |

## No. 22 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1993½ | Wt. of paint | | before use. | |
| 1965½ | " | " | after use. | |
| 28 | " | " | applied to | W. P. Panel No. 152 |
| 1965½ | | | | |
| 1936½ | Ditto | | | |
| 29 | | | | Y. P. Panel No. 152 |
| 1936½ | | | | |
| 1910½ | Ditto | | | |
| 26 | | | | C. Panel No. 152 |
| 1910½ | | | | |
| 1882 | Ditto | | | |
| 28½ | | | | W. P. Panel No. 153 |
| 1882 | | | | |
| 1855½ | Ditto | | | |
| 26½ | | | | Y. P. Panel No. 153 |
| 1855½ | | | | |
| 1828½ | Ditto | | | |
| 27 | | | | C. Panel No. 153 |

## No. 23 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1954½ | Wt. of paint | | before use. | |
| 1925½ | " | " | after use. | |
| 29 | " | " | applied to | W. P. Panel No. 154 |
| 1925½ | | | | |
| 1898 | Ditto | | | |
| 27½ | | | | Y. P. Panel No. 154 |
| 1898 | | | | |
| 1870½ | Ditto | | | |
| 27½ | | | | C. Panel No. 154 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1870½ | | |
| 1842½ | Ditto | |
| 28 | | W. P. Panel No. 155 |
| 1842½ | | |
| 1814 | Ditto | |
| 28½ | | Y. P. Panel No. 155 |
| 1814 | | |
| 1783½ | Ditto | |
| 30½ | | C. Panel No. 155 |

## No. 24 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 1967 | Wt. of paint | | before use. | |
| 1936 | " | " | after use. | |
| 31 | " | " | applied to | W. P. Panel No. 156 |
| 1936 | | | | |
| 1909 | Ditto | | | |
| 27 | | | | Y. P. Panel No. 156 |
| 1909 | | | | |
| 1881½ | Ditto | | | |
| 27½ | | | | C. Panel No. 156 |
| 1881½ | | | | |
| 1854½ | Ditto | | | |
| 27 | | | | W. P. Panel No. 157 |
| 1854½ | | | | |
| 1825 | Ditto | | | |
| 29½ | | | | Y. P. Panel No. 157 |
| 1825 | | | | |
| 1798½ | Ditto | | | |
| 26½ | | | | C. Panel No. 157 |

## No. 25 GRAY PAINT.

### 3d Coat.

| Grammes. | | | | Spreading Rate. |
|---|---|---|---|---|
| 1957 | Wt. of paint before use. | | | |
| 1932 | " | " | after use. | |
| 25 | " | " | applied to | W. P. Panel No. 158 |
| 1932 | | | | |
| 1906 | | Ditto | | |
| 26 | | | | Y. P. Panel No. 158 |
| 1906 | | | | |
| 1876½ | | Ditto | | |
| 29½ | | | | C. Panel No. 158 |
| 1876½ | | | | |
| 1849½ | | Ditto | | |
| 27 | | | | W. P. Panel No. 159 |
| 1849½ | | | | |
| 1818½ | | Ditto | | |
| 31 | | | | Y. P. Panel No. 159 |
| 1818½ | | | | |
| 1790 | | Ditto | | |
| 28½ | | | | C. Panel No. 159 |

## No. 26 GRAY PAINT.

### 3d Coat.

| | | | | |
|---|---|---|---|---|
| 2002 | Wt. of paint before use. | | | |
| 1972 | " | " | after use. | |
| 30 | " | " | applied to | W. P. Panel No. 160 |
| 1972 | | | | |
| 1943½ | | Ditto | | |
| 28½ | | | | Y. P. Panel No. 160 |
| 1943½ | | | | |
| 1914½ | | Ditto | | |
| 29 | | | | C. Panel No. 160 |

| Grammes. | | Spreading Rate. |
|---|---|---|
| 1914½ | | |
| 1886 | Ditto | |
| 28½ | | W. P. Panel No. 161 |
| 1886 | | |
| 1858½ | Ditto | |
| 27½ | | Y. P. Panel No. 161 |
| 1858½ | | |
| 1828 | Ditto | |
| 30½ | | C. Panel No. 161 |

## No. 27 GRAY PAINT.

### 3d Coat.

| | | | |
|---|---|---|---|
| 1992½ | Wt. of paint before use. | | |
| 1962 | " " " after use. | | |
| 30½ | " " " applied to | W. P. Panel No. 162 | |
| 1962 | | | |
| 1932 | Ditto | | |
| 30 | | Y. P. Panel No. 162 | |
| 1932 | | | |
| 1905 | Ditto | | |
| 27 | | C. Panel No. 162 | |
| 1905 | | | |
| 1871½ | Ditto | | |
| 33½ | | W. P. Panel No. 163 | |
| 1871½ | | | |
| 1845 | Ditto | | |
| 26½ | | Y. P. Panel No. 163 | |
| 1845 | | | |
| 1815 | Ditto | | |
| 30 | | C. Panel No. 163 | |

## EXTRA PANELS.

| | | |
|---|---|---|
| S. P. Lead | Ult. Blue | W 183 |
| " " | Chi. " | C 183 |
| Sub. | Ult. " | W 182 |
| " | Chi. " | Y 182 |
| Zinc | Ult. | Y 186 |
| " | Chi. | W 186 |
| S. Z. L. | Ult. | C 182 |
| " | Chi. | Y 181 |
| Ochre Priming | | C 185 |
| " | | W 185 |
| Zinc Benzine Redct. | | W 184 |
| | | C 184 |
| | | Y 184 |
| S. P. Lead Priming, L. & Z. Pt. | | W 181 |
| | | C 181 |
| | | Y 181 |

# CHAPTER IX

## Report on New Tests Just Issued at Atlantic City and Pittsburg

A series of new test panels, upon which have been painted out new formulas, to take the place of those panels removed from the Atlantic City and Pittsburg test fences, as a result of the inspection of these fences, and the condemning of certain formulas thereon, have been finished, both at Atlantic City and Pittsburg, and are being placed in position on the respective fences.

These new panels are all of white pine, this wood having been selected by the joint fence inspection committees at Atlantic City and Pittsburg, as offering the best condition of surface for such a test. The methods used in painting these panels were the same as those used in the previous tests, together with the adoption of certain refinements in the reductions, applications, etc., and the manner in which the tests were carried out.

A series of twenty-six formulas were selected with careful regard to the percentage of components. It is the intention to test out the highly efficient character of certain combinations of pigments, which seemed to have shown most excellent results in slightly different percentages in the former tests. Thus, several of the new formulas applied are typical of the high-grade type of ready-mixed paints placed upon the market to-day by many progressive manufacturers.

Lithopone has been combined in lower percentages than in previous tests, with certain pigments with which it gave good promise of value. Certain of these lithopone paints have been ground in vehicles of a varnish nature to ascertain




SECTION OF FENCE SHOWING NEW PANELS RECENTLY PLACED

whether vehicles which act as excluders of moisture will prevent the decay of darkening of lithopone, which has, in some cases in the past, been observed, thus preventing the use of this pigment to any great extent for outside work.

In order to obtain a criterion of the comparative value of the new formulas applied, as against the wearing of straight white leads, the original white leads used in the previous tests have been repeated, and others added. These are all being tested out at this time, thus making a total of thirty-five formulas in all, which have been selected for the new tests.

Each formula is painted out in white, in yellow, and in gray, upon panels of white pine wood, thus making a total for the thirty-five formulas applied, of one hundred and twelve panels. These panels are being arranged in sequence upon the fence and each panel is provided with an identification mark in the form of a numeral stencilled upon its face on the right hand end of the panel. Upon the opposite end of each panel is placed the customary opacity test, in the form of a small black square stencilled over the priming coat and the degree of clearness with which this mark may be seen through the second and third coats gives a comparison of the hiding properties of each paint applied.

Although the number of each formula is stamped upon each panel, it is not intended to give out at this time the key to the fence, showing the composition of the paint applied to each panel. However, it was deemed advisable to give the percentage composition of the various paints applied, and a list thereof follows. A more complete report will be issued at the end of the first year's wear of these formulas, and may appear together with the second annual report on the wearing of the original paints applied to the fence.

At Atlantic City these tests were carried out by Mr. George Butler, Official Painter, Master House Painters' & Decorators' Association of Philadelphia, Inc., under the supervision of Mr. H. A. Gardner, Fence Superintendent, and there was present Mr. James T. Parthree, Foreman Painter for the Pennsylvania Lines at Wilmington, and in-

spector for Sub-Committee "E," of the American Society for Testing Materials. The weights, etc., were very carefully taken by Mr. Zoltan de Horvath.

At Pittsburg the work was carried out by Mr. Alfred C. Rapp, Official Painter, Pittsburg Branch, Pennsylvania State Association of Master Painters, under the supervision of Mr. H. A. Gardner, Fence Superintendent. The Carnegie Technical School's Fence Committee was represented by Dr. John A. Schaeffer, who took the weights, etc.

R. S. PERRY, Director.

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## REPORT ON NEW TESTS JUST INSTITUTED AT ATLANTIC CITY AND PITTSBURG

### Formula No. 1.

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Basic Carbonate-White Lead | 50% |

### Formula No. 2.

| | |
|---|---|
| Basic Carbonate-White Lead | 75% |
| Basic Sulphate-White Lead | 25% |

### Formula No. 3.

| | |
|---|---|
| Lithopone | 36% |
| Basic Carbonate-White Lead | 50% |
| Barytes | 12% |
| Asbestine | 2% |

### Formula No. 4.

| | |
|---|---|
| Lithopone | 35% |
| Basic Carbonate-White Lead | 45% |
| Asbestine | 20% |

### Formula No. 5.

| | |
|---|---|
| Lithopone | 40% |
| Basic Carbonate-White Lead | 45% |
| Silex | 15% |

**Formula No. 6.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Carbonate-White Lead | 45% |
| Whiting | 15% |

**Formula No. 7.**

Beemer Baumann Brand Pure White Lead

**Formula No. 8.**

Acme New Process White Lead

**Formula No. 9.**

Matheson Precipitated White Lead

**Formula No. 10.**

Zinc Lead

**Formula No. 11.**

Basic Sulphate-White Lead (Picher)

**Formula No. 12.**

Basic Carbonate-White Lead (Carter)

**Formula No. 13.**

Basic Carbonate-White Lead (Eagle)

**Formula No. 14.**

Basic Carbonate-White Lead (St. Louis)

**Formula No. 15.**

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Kaolin | 33% |

**Formula No. 16.**

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Silex | 33% |

### Formula No. 17.

| | |
|---|---|
| Basic Carbonate-White Lead | 33% |
| Zinc Oxide | 33% |
| Silex | 16% |
| Kaolin | 16% |

### Formula No. 18.

| | |
|---|---|
| Lithopone | 100% |

Ground in linseed oil with 2% zinc resinate to be thinned for spreading with turpentine and spar varnish for high gloss.

### Formula No. 19.

| | |
|---|---|
| Lithopone | 100% |

Ground in linseed oil with 5% chrome resinate.

### Formula No. 20.

| | |
|---|---|
| Lithopone | 30% |
| Basic Sulphate-White Lead | 60% |
| Asbestine | 10% |

### Formula No. 21.

| | |
|---|---|
| Lithopone | 30% |
| Zinc Oxide | 30% |
| Basic Sulphate White-Lead | 30% |
| Whiting | 10% |

### Formula No. 22.

| | |
|---|---|
| Lithopone | 30% |
| Zinc Oxide | 60% |
| Calcium Carbonate | 10% |

### Formula No. 23.

| | |
|---|---|
| Basic Sulphate-White Lead | 28% |
| Zinc Oxide | 55% |
| Blanc Fixe | 7% |
| Barytes | 7% |
| Asbestine | 3% |

### Formula No. 24

| | |
|---|---|
| Basic Carbonate-White Lead | 28% |
| Zinc Oxide | 55% |
| Blanc Fixe | 7% |

| | |
|---|---|
| Barytes | 7% |
| Asbestine | 3% |

**Formula No. 25.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Zinc Oxide | 36% |
| China Clay | 8% |
| Magnesium Silicate | 2% |
| Barytes | 4% |

**Formula No. 26.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Lithopone | 36% |
| Barytes | 12% |
| Asbestine | 2% |

**Formula No. 27.**

| | |
|---|---|
| Basic Sulphate-White Lead | 50% |
| Lithopone | 36% |
| China Clay | 8% |
| Barytes | 4% |
| Asbestine | 2% |

**Formula No. 28.**

| | |
|---|---|
| Basic Carbonate-White Lead | 50% |
| Zinc Lead | 36% |
| China Clay | 8% |
| Barytes | 4% |
| Asbestine | 2% |

**Formula No. 29.**

| | |
|---|---|
| Lithopone | 35% |
| Basic Sulphate-White Lead | 45% |
| Asbestine | 20% |

**Formula No. 30.**

| | |
|---|---|
| Lithopone | 40% |
| Zinc Oxide | 40% |
| Whiting | 20% |

**Formula No. 31.**

| | |
|---|---|
| Lithopone | 45% |
| Basic Sulphate-White Lead | 45% |
| Whiting | 10% |

**Formula No. 32.**

| | |
|---|---|
| Lithopone | 45% |
| Zinc Oxide | 45% |
| Whiting | 10% |

**Formula No. 33.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Sulphate-White Lead | 45% |
| Silex | 15% |

**Formula No. 34.**

| | |
|---|---|
| Lithopone | 40% |
| Basic Sulphate-White Lead | 45% |
| Whiting | 15% |

**Formula No. 35.**

| | |
|---|---|
| Basic Carbonate-White Lead | 24% |
| Basic Sulphate-White Lead | 13% |
| Zinc Oxide | 45% |
| Silicate of Magnesia | 18% |

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1—Tables of White Pigments and Vehicle—Standard Nomenclature.

2—Standard Can Sizes Recommended to Paint Manufacturers.

3—First Report on the Test Fences Erected by the Scientific Section. (Out of print.)

4—Methods for the Analysis of the Vehicle Constituents of Paint.

5—Tests Upon the Corrosion of Iron to be Conducted by the Scientific Section. (Out of print.)

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9—Recent Technical Developments in Paint Manufacture.

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11—The Corrosion of Iron and Steel. *By Alfred Sang.* (Out of print.)

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12—The Function of Oxygen in the Corrosion of Metals. *By William H. Walker.*

13—Protective Coatings for Steel and Iron. *By Robert S. Perry.* (Out of print.)

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